**Compliance Program**

**29 CFR 1910 Subpart Z—Toxic and Hazardous Substances**

***Scope/Application:***  *Under 29 CFR* [*1910 Subpart Z—Toxic and Hazardous Substances*](https://www.osha.gov/laws-regs/regulations/standardnumber/1910#1910_Subpart_Z)*, a Compliance Program is required if employees have occupational exposure to certain chemicals listed in the subpart. The following standards in 29 CFR 1910 Subpart Z—Toxic and Hazardous Substances require a Compliance Program:*

* *29 CFR 1910.1001—Asbestos*
* *29 CFR 1910.1018—Inorganic Arsenic*
* *29 CFR 1910.1024—Beryllium*
* *29 CFR 1910.1025—Lead*
* *29 CFR 1910.1027—Cadmium*
* *29 CFR 1910.1028—Benzene*
* *29 CFR 1910.1029—Coke Oven Emissions*
* *29 CFR 1910.1043—Cotton Dust*
* *29 CFR 1910.1044—1,2-dibromo-3-chloropropane*
* *29 CFR 1910.1045—Acrylonitrile*
* *29 CFR 1910.1047—Ethylene Oxide*
* *29 CFR 1910.1050—Methylenedianiline*
* *29 CFR 1910.1051—1,3-Butadiene*
* *29 CFR 1910.1053—Respirable Crystalline Silica*

*The following standards are referenced in most of the health standards listed in Subpart Z—Toxic and Hazardous Substances:*

* *29 CFR 1910.134—Respiratory Protection*
* *29 CFR 1910.141—Sanitation*
* *29 CFR 1910.1020—Access to Employee Exposure and Medical Records*
* *29 CFR 1910.1200—Hazard Communication*

***Note:*** *29 CFR 1910.134—Respiratory Protection requirements apply when employees use respirators. 29 CFR 1910.141—Sanitation provides the requirements for change rooms, showers, and eating and drinking areas, 29 CFR 1910.1020—Access to Employee Exposure and Medical Records requires that medical and exposure records be maintained for specific periods of time. 29 CFR 1910.1200—Hazard Communication requirements apply when the applicable health hazard is used in the workplace.*

***Standard Requirements for 29 CFR 1910.1001—Asbestos:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program*
* ***Procedures/Practices/Controls:*** *Work practices, emergency procedures, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *Before brake and clutch repair, initially (building)*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1001—Asbestos to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1018—Inorganic Arsenic:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Housekeeping and Maintenance Plan, Training Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1018— Inorganic Arsenic to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1024—Beryllium:***

* ***Programs/Plans:*** *Exposure Control Plan (Compliance Program), Medical Surveillance Program, Employer-Funded Compensation Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, engineering controls, exposure monitoring procedures, medical surveillance procedures (Include in your Exposure Control Plan)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Plan, Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1024—Beryllium to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1025—Lead:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1025—Lead to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1027—Cadmium:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1027—Cadmium to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1028—Benzene:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program, Employer-Funded Compensation Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1028—Benzene to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1029—Coke Oven Emissions:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program, Inspection Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1029—Coke Oven Emissions to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1043—Cotton Dust:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program, Work Practice Program*
* ***Procedures/Practices/Controls:*** *Exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1043—Cotton Dust to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1044—1,2-dibromo-3-chloropropane:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1044—1,2-dibromo-3-chloropropane to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1045—Acrylonitrile:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1045—Acrylonitrile to ensure that all the standard requirements are being met.*

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***Standard Requirements for 29 CFR 1910.1047—Ethylene Oxide:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program*
* ***Procedures/Practices/Controls:*** *Work practice controls, exposure monitoring procedures, medical surveillance procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1047—Ethylene Oxide to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1050—Methylenedianiline:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program, Inspection Program, Housekeeping Program*
* ***Procedures/Practices/Controls:*** *Exposure monitoring procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1050—Methylenedianiline to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1051—1,3-Butadiene:***

* ***Programs/Plans:*** *Compliance Program, Medical Surveillance Program, Training Program, Exposure Goal Program*
* ***Procedures/Practices/Controls:*** *Exposure monitoring procedures (Include in your Compliance Program)*
* ***Training:*** *Initially, annually*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Programs, medical records, exposure records*

***Note:*** *Reference 29 CFR 1910.1051—1,3-Butadiene to ensure that all the standard requirements are being met.*

***Standard Requirements for 29 CFR 1910.1053—Respirable Crystalline Silica:***

* ***Programs/Plans:*** *Medical Surveillance Program, Exposure Control Plan (Compliance Program)*
* ***Procedures/Practices/Controls:*** *Engineering controls, work practice controls, housekeeping measures (Include in your Compliance Program)*
* ***Training:*** *Initially*
* ***Inspections:*** *None*
* ***Recordkeeping/Documentation:*** *Plan, medical records, exposure records*

***Note:*** *Reference 1910.1053—Respirable Crystalline Silica to ensure that all the standard requirements are being met.*

***Example Program:*** *The following example program may be modified to be site-specific to the organization and incorporates a Medical Surveillance Program, Exposure Monitoring Program and Training Program with the Compliance Program. Please reference the applicable health standard in 29 CFR 1910 Subpart Z—Toxic and Hazardous Substances to ensure that all requirements are being met.*

**Toxic and Hazardous Substances***—***Compliance Program**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ can cause harm (describe acute and chronic effects of the chemical) to:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used (state where this chemical is used and what it is used for):

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**Engineering Controls**

The following engineering controls have been implemented:

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**Work Practices**

The following work practices have been implemented:

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**Regulated Areas, Signs and Labels**

We will regulate the work areas where \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used. These regulated areas will be limited to authorized employees only and will be marked with signage. The signs will bear the following legend:

**DANGER
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**PROTECTIVE CLOTHING ARE REQUIRED IN
THIS AREA
AUTHORIZED PERSONNEL ONLY**

All \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ containers and pipes have been labeled. The Safety Data Sheets will also be available in the work area (or other procedure).

**Preventive Maintenance Program**

Preventive maintenance will be conducted on the ventilation systems as recommended by the manufacturer. This schedule is as follows:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Air filters will be replaced on the following schedule:

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Other preventive maintenance recommended by the manufacturer will be conducted on the following equipment or machines:

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This schedule is as follows:

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**Personal Protective Equipment**

Employees will be provided with appropriate personal protective equipment (PPE) which will include:

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All employees will be required to wear the appropriate PPE in the regulated area. The PPE will be cleaned and inspected daily and before each use. Any equipment found to be defective will be turned in to the supervisor for repair or disposal and new equipment will be provided. All employees will be trained on the use of PPE.

Employees required to wear respirators will undergo medical evaluation to determine if they can wear a respirator. Employees who pass will be trained and fit-tested initially and annually per 29 CFR 1910.134—Respiratory Protection. Refer to the respirator program for specific requirements.

**Signs and Symptoms of Overexposure**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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If you exhibit any of the above signs, please let your supervisor know immediately.

**First Aid and Emergency Response**

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*Spills*

* Call 911 and HazMat
* Immediately evacuate all personnel
* Secure and control entrance to facility
* Eliminate nearby ignition sources

*Emergency Numbers*

* Poison Control: 1-800-222-1222
* CHEMTREC: 1-800-424-9300
* National Response Center: 1-800-424-8802
* Company Emergency Contact:

***Note:*** *Some of the standards in Subpart Z may have additional or different emergency response requirements.*

**Exposure Monitoring Program**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a regulated chemical. To help ensure that our employees are not overexposed to\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, we will conduct \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(i.e., initial, periodic) monitoring to determine employee exposure.

***Note:*** *Reference the applicable standard for the monitoring schedule and exposure levels to be followed.*

The OSHA permissible exposure level (PEL) for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is\_\_\_\_\_\_\_\_\_ and the action level is\_\_\_\_\_\_\_.

When exposure levels are at or above the (action level) of \_\_\_\_\_\_\_\_ (i.e., parts per million, milligrams per cubic meter), periodic monitoring will be conducted on the following schedule (i.e., quarterly, semi-annually, annually):

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Determination of employee exposure will be made from breathing zone air samples that are representative of the 8-hour TWA and 15-minute short-term exposures of each employee. Employees will be provided the monitoring results within 15 working days after receipt of results. If requested, employees will be allowed to observe exposure monitoring.

**Medical Surveillance Program**

If an employee is exposed to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ at or above the action level of \_\_\_\_\_\_ (i.e., parts per million, milligrams per cubic meter), they will be provided with medical examinations and consultations at no expense to the employee. The examinations will be provided prior to an assignment where exposure will occur and annually thereafter. If required by a physician, the examinations may occur more frequently.

We will provide the following information to the physician:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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The following tests will be conducted initially and annually:

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The physician will provide a written opinion containing the results of the medical examination and any recommended limitations on the employee or on the use of PPE. No specific findings or diagnoses unrelated to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ exposure will be given in the written opinion. The employee will be provided with a copy of the written opinion within 15 days of its receipt.

**Housekeeping Program**

We have implemented the following housekeeping procedures:

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**Training Program**

Employees will be trained at the time of their initial assignment and annually thereafter. Training will include:

* Operations where “chemical” is present
* Signs and symptoms of overexposure
* Safe work practices
* Established or recommended exposure levels
* Exposure monitoring
* Medical surveillance
* PPE
* Physical and health hazards
* Methods and observations
* Emergency procedures
* Hazard communication

***Note:*** *Some of the standards in 29 CFR 1910 Subpart Z****—****Toxic and Hazardous Substances may have additional or different training requirements.*

**Recordkeeping**

Medical and exposure records will be maintained per 29 CFR 1910.1020***—***Access to Employee Exposure and Medical Records. Exposure records will be maintained for 30 years. Medical surveillance records will be maintained for the duration of employment plus 30 years. Employees will be provided these records upon request.

***Note:*** *Some of the standards in 29 CFR 1910 Subpart Z****—****Toxic and Hazardous Substances may have different durations for maintaining records.*