

CADMIUM

NORTH DAKOTA SAFETY COUNCIL, INC. - PROGRAM EVALUATION FORM

CONTRACTOR NAME: \_\_\_\_\_

DATE: 9/9/2019

**Cadmium & Lead**

ITEM NO.	CITATION REFERENCE	DESCRIPTION	Y	N	GUIDANCE / INSTRUCTIONS
<b>CADMIUM</b>					
1	1910.1027(m)(4)(i)	Does employer provide training?			The employer must institute a training program for all employees who are potentially exposed to cadmium, assure employee participation and maintain a record of contents. Training must be provided prior to initial assignment and at least annually.
<b>Comments / Location:</b>					
2	1910.1027(n)(4)	Does program state that the training must be recorded?			The employer must certify that the training has been conducted by preparing a record that includes (1) Identity of employee trained, (2) The signature of the person who conducted the training and (3) Date of the training. Records must be kept 1 year.
<b>Comments / Location:</b>					
3	1910.1027(f)(2)(i)	Does employer monitor and state at what action level a compliance program must be implemented?			At 2.5 micrograms per cubic meter of air calculated as an 8-hour time weighted average, a written compliance program shall be implemented when the PEL is exceeded.
<b>Comments / Location:</b>					
4	1910.1027(f)(2)(ii)	Does program address the following items?			1. Description of each operation where cadmium is emitted, machinery use, material processed, controls in place, crew size, employee job responsibilities and maintenance practices. 2. A description of the specific means that will be employed to meet compliance including engineering plans. 3. A report of technology considered in meeting the PEL. 4. Air monitoring data. 5. A detailed schedule for implementation. 6. A work practice program. 7. A written plan for emergency situations. 8. Other relevant information.
<b>Comments / Location:</b>					
5	1910.1027(f)(2)(iii)	Does program address reviews and updates of written procedures?			The written program must be reviewed and updated annually or more often to reflect significant changes in employer's compliance status.
<b>Comments / Location:</b>					
6	1910.1027(f)(2)(iv)	Does program state who has access to written procedures?			Program must be provided for examination and copying upon request of affected employees, their representatives, the Assistant Secretary and the Director.
<b>Comments / Location:</b>					
7	1910.1027(f)(3)(iv)	Does program address maintenance procedures?			Procedures shall be developed and implemented to minimize employee exposure to cadmium when maintenance of ventilation systems and changing of filters occur.
<b>Comments / Location:</b>					
8	1910.1027(g)(3)	Does program address respiratory protection?			Must meet criteria found in 1910.134
<b>Comments / Location:</b>					

CADMIUM

9	1910.1027(h)	Does program address emergency plans?			Employer must have a written plan for dealing with emergency situations involving substantial releases of cadmium. Respirator use and PPE must be addressed.
<b>Comments / Location:</b>					
10	1910.1027(l)	Does program address medical surveillance?			For employees who are or may be exposed to cadmium at or above the action level.
<b>Comments / Location:</b>					
ITEM NO.	CITATION REFERENCE	DESCRIPTION	Y	N	GUIDANCE / INSTRUCTIONS
<b>LEAD</b>					
1	1910.1025(l)(1)(i)	Does the written program address a training program for each employee who has potential exposure prior to the time of initial job assignment?			Employee shall be informed of Appendices A & B of the regulation. All affected employees are required to attend training programs. The training shall be provided prior to the time of initial job assignment. Training should be provided at least annually. The employees should be informed of the specific nature of the operations which could result in exposure to lead above the action level. Employees shall be informed of the purpose, proper selection, fitting, use, and limitation of respirators. Employees shall be informed of the engineering controls. The employees shall be informed of the purpose & a description of the medical surveillance & the medical removal programs as there could be adverse effects on reproductive systems.
<b>Comments / Location:</b>					
2	1910.1025(c)(1)	Does the program address that no employee is exposed to lead at concentrations greater than fifty micrograms per cubic meter of air averaged over an 8-hour period?			This must be done by having a program that examines employee's airborne exposure to lead at work.
<b>Comments / Location:</b>					
3	1910.1025(d)(1)(2)	Does the program provide for breathing zone air monitoring?			Industrial hygiene measurements are necessary to determine employee exposures.
<b>Comments / Location:</b>					
4	1910.1025(d)(6)(ii)(iii)	If monitoring is above the action level, does the program state procedures to follow?			Should address engineering controls and PPE to reduce exposures.
<b>Comments / Location:</b>					
5	1910.1025(d)(8)(ii)(e)(1)(2)	Does the program provide for implementing engineering & work practice controls if the exposure level is above the permissible limit for more than 30 days per year.			Action shall be taken to reduce exposure to or below the permissible exposure. If engineering & work practice controls do not reduce exposure to acceptable limits, the employer may supplement with respirators. If such controls are not feasible, the employer must demonstrate and document the reasons.
<b>Comments / Location:</b>					
6	1910.1025(e)(3)(i)	Does the program provide for a written (site specific) compliance program which has been developed & implemented to reduce exposures to or below the permissible limits?			The program should address means of engineering & work practice controls. The specific means that will be employed to achieve compliance must be outlined. Documentation of air monitoring, including the source of lead, is required. A description of each operation in which lead is emitted should be outlined (i.e. machinery used, material used, material processed, controls in place, crew size & employee job responsibilities). The written program must be revised & updated every 6 months.

CADMIUM

<b>Comments / Location:</b>				
7	1910.1025(f)(1)	Does the program address providing NIOSH-certified powered, air purifying respirators (PAPRs)?		An employee may choose this type of respirator at no extra cost to the employee. The respirator shall be used during the time period necessary to install or implement engineering or work practice controls.
<b>Comments / Location:</b>				
8	1910.1025(g)(1)	Does the program address providing PPE to the employees at no cost?		Gloves,hats,vented goggles,shoes or disposable shoe covers shall be provided. Protective clothing shall be in clean & dry condition at least weekly. Protective clothing shall be cleaned, laundered, properly disposed of and repaired or replaced as necessary.
<b>Comments / Location:</b>				
9	1910.1025(J)(1)	Does the program provide for a medical surveillance program for all employees who are or may be exposed above the action level for more than 30 days?		Medical examinations & procedures shall be performed by or under the supervision of a licensed physician. The medical surveillance is provided without cost to employees.
<b>Comments / Location:</b>				
10	1910.1025(j)(2)(i)(C)(iv)	Does the program address blood sampling, monitoring and employee notification?		The blood sampling & monitoring should be conducted every 6 months until two consecutive blood samples & analysis are acceptable. The sampling & monitoring should be performed at least monthly during the removal period. Any employee with elevated blood levels should be temporarily removed. Employees should be notified in writing within five days when lead levels are not acceptable. The standard requires temporary medical removal with Medical Removal Protection benefits.
<b>Comments / Location:</b>				
11	1910.1025	Does the program provide for decon, changing & hygiene facilities?		The employer must provide decontamination and changing facilities. Hygiene facilities should also be provided.
<b>Comments / Location:</b>				
12	1910.1025	Does the program outline provisions for signs to be posted in and around the regulated work area?		Signs should be posted in the work area. The signs should not be removed or defaced.
<b>Comments / Location:</b>				

EVALUATED BY:

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NDSC

REVISED 5/10/17

**Auditor Comments:**

- Item 1 \_\_\_\_\_
- Item 2 \_\_\_\_\_
- Item 3 \_\_\_\_\_
- Item 4 \_\_\_\_\_
- Item 5 \_\_\_\_\_
- Item 6 \_\_\_\_\_
- Item 7 \_\_\_\_\_
- Item 8 \_\_\_\_\_
- Item 9 \_\_\_\_\_
- Item 10 \_\_\_\_\_

**Audit Reference:**

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## CADMIUM

Disclaimer: The information contained in these forms, questionnaire and monitoring procedures is provided as written guidance to assist contractors in complying with the OSHA regulations and/or operator requirements. NDSC, the operators who participated in the development of this program and their employees disclaim all warranties both express and implied. The information presented here will give contractors a reference document, which should be used as guidance or as a "first step" towards getting your company into compliance. This monitoring program is based on sound safety and environmental concerns. We urge contractors to view their OSHA and DOT compliance efforts as a way to make their workplace safer for their employees.

Each contractor is still responsible for full compliance of all applicable State and Federal regulations.