

U.S. Department of Labor
Occupational Safety and Health Administration
55 North Robinson
Suite 315
Oklahoma City, OK 73102
Phone: 405-278-9560 Fax: 405-278-9572



Citation and Notification of Penalty

To:
Alfa Laval Inc.
and its successors
1201 S. 9th Street
Broken Arrow, OK 74012

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015

Inspection Site:
1201 S. 9th Street
Broken Arrow, OK 74012

The violation(s) described in this Citation and Notification of Penalty is (are) alleged to have occurred on or about the day(s) the inspection was made unless otherwise indicated within the description given below.

This Citation and Notification of Penalty (this Citation) describes violations of the Occupational Safety and Health Act of 1970. The penalty(ies) listed herein is (are) based on these violations. You must abate the violations referred to in this Citation by the dates listed and pay the penalties proposed, unless within 15 working days (excluding weekends and Federal holidays) from your receipt of this Citation and Notification of Penalty you either call to schedule an informal conference (see paragraph below) or you mail a notice of contest to the U.S. Department of Labor Area Office at the address shown above. Please refer to the enclosed booklet (OSHA 3000) which outlines your rights and responsibilities and which should be read in conjunction with this form. Issuance of this Citation does not constitute a finding that a violation of the Act has occurred unless there is a failure to contest as provided for in the Act or, if contested, unless this Citation is affirmed by the Review Commission or a court.

Posting - The law requires that a copy of this Citation and Notification of Penalty be posted immediately in a prominent place at or near the location of the violation(s) cited herein, or, if it is not practicable because of the nature of the employer's operations, where it will be readily observable by all affected employees. This Citation must remain posted until the violation(s) cited herein has (have) been abated, or for 3 working days (excluding weekends and Federal holidays), whichever is longer.

Informal Conference - An informal conference is not required. However, if you wish to have such a conference you may request one with the Area Director during the 15 working day contest period. During such an informal conference you may present any evidence or views which you believe would support an adjustment to the citation(s) and/or penalty(ies).

If you are considering a request for an informal conference to discuss any issues related to this Citation and Notification of Penalty, you must take care to schedule it early enough to allow time to contest after the informal conference, should you decide to do so. Please keep in mind that a written letter of intent to contest must be submitted to the Area Director within 15 working days of your receipt of this Citation. The running of this contest period is not interrupted by an informal conference.

If you decide to request an informal conference, please complete, remove and post the Notice to Employees next to this Citation and Notification of Penalty as soon as the time, date, and place of the informal conference have been determined. Be sure to bring to the conference any and all supporting documentation of existing conditions as well as any abatement steps taken thus far. If conditions warrant, we can enter into an informal settlement agreement which amicably resolves this matter without litigation or contest.

Right to Contest – You have the right to contest this Citation and Notification of Penalty. You may contest all citation items or only individual items. You may also contest proposed penalties and/or abatement dates without contesting the underlying violations. Unless you inform the Area Director in writing that you intend to contest the citation(s) and/or proposed penalty(ies) within 15 working days after receipt, the citation(s) and the proposed penalty(ies) will become a final order of the Occupational Safety and Health Review Commission and may not be reviewed by any court or agency.

Penalty Payment – Penalties are due within 15 working days of receipt of this notification unless contested. (See the enclosed booklet and the additional information provided related to the Debt Collection Act of 1982.) Make your check or money order payable to “DOL-OSHA”. Please indicate the Inspection Number on the remittance. You can also make your payment electronically on www.pay.gov. On the left side of the pay.gov homepage, you will see an option to Search Public Forms. Type "OSHA" and click Go. From the results, click on OSHA Penalty Payment Form. The direct link is:

<https://www.pay.gov/paygov/forms/formInstance.html?agencyFormId=53090334>.

You will be required to enter your inspection number when making the payment. Payments can be made by credit card or Automated Clearing House (ACH) using your banking information. Payments of \$25,000 or more require a Transaction ID, and also must be paid using ACH. If you require a Transaction ID, please contact the OSHA Debt Collection Team at (202) 693-2170.

OSHA does not agree to any restrictions or conditions or endorsements put on any check, money order, or electronic payment for less than the full amount due, and will process the payments as if these restrictions or conditions do not exist.

Notification of Corrective Action – For each violation which you do not contest, you must provide *abatement certification* to the Area Director of the OSHA office issuing the citation and identified above. This abatement certification is to be provided by letter within 10 calendar days after each abatement date. Abatement certification includes the date and method of abatement. If the citation indicates that the violation was corrected during the inspection, no abatement certification is required for that item. The abatement certification letter must be posted at the location where the violation appeared and the corrective action took place or employees must otherwise be effectively informed about abatement activities. A sample abatement certification letter is enclosed with this Citation. In addition, where the citation indicates that *abatement documentation* is necessary, evidence of the purchase or repair of equipment, photographs or video, receipts, training records, etc., verifying that abatement has occurred is required to be provided to the Area Director.

Employer Discrimination Unlawful – The law prohibits discrimination by an employer against an

employee for filing a complaint or for exercising any rights under this Act. An employee who believes that he/she has been discriminated against may file a complaint no later than 30 days after the discrimination occurred with the U.S. Department of Labor Area Office at the address shown above.

Employer Rights and Responsibilities – The enclosed booklet (OSHA 3000) outlines additional employer rights and responsibilities and should be read in conjunction with this notification.

Notice to Employees – The law gives an employee or his/her representative the opportunity to object to any abatement date set for a violation if he/she believes the date to be unreasonable. The contest must be mailed to the U.S. Department of Labor Area Office at the address shown above and postmarked within 15 working days (excluding weekends and Federal holidays) of the receipt by the employer of this Citation and Notification of Penalty.

Inspection Activity Data – You should be aware that OSHA publishes information on its inspection and citation activity on the Internet under the provisions of the Electronic Freedom of Information Act. The information related to these alleged violations will be posted when our system indicates that you have received this citation. You are encouraged to review the information concerning your establishment at www.osha.gov. If you have any dispute with the accuracy of the information displayed, please contact this office.



NOTICE TO EMPLOYEES OF INFORMAL CONFERENCE

An informal conference has been scheduled with OSHA to discuss the citation(s) issued on 05/22/2015. The conference will be held by telephone or at the OSHA office located at 55 North Robinson, Suite 315, Oklahoma City, OK 73102 on _____ at

_____. Employees and/or representatives of employees have a right to attend an informal conference.

CERTIFICATION OF CORRECTIVE ACTION WORKSHEET

Inspection Number: 1012280

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012
Issuance Date: 05/22/2015

List the specific method of correction for each item on this citation in this package that does not read "Corrected During Inspection" and return to: **U.S. Department of Labor – Occupational Safety and Health Administration, 55 North Robinson, Suite 315, Oklahoma City, OK 73102**

Citation Number _____ and Item Number _____ was corrected on _____
By (Method of Abatement): _____

Citation Number _____ and Item Number _____ was corrected on _____
By (Method of Abatement): _____

Citation Number _____ and Item Number _____ was corrected on _____
By (Method of Abatement): _____

Citation Number _____ and Item Number _____ was corrected on _____
By (Method of Abatement): _____

Citation Number _____ and Item Number _____ was corrected on _____
By (Method of Abatement): _____

Citation Number _____ and Item Number _____ was corrected on _____
By (Method of Abatement): _____

I certify that the information contained in this document is accurate and that the affected employees and their representatives have been informed of the abatement.

Signature

Date

Typed or Printed Name

Title

NOTE: 29 USC 666(g) whoever knowingly makes any false statements, representation or certification in any application, record, plan or other documents filed or required to be maintained pursuant to the Act shall, upon conviction, be punished by a fine of not more than \$10,000 or by imprisonment of not more than 6 months or both.

POSTING: A copy of completed Corrective Action Worksheet should be posted for employee review

U.S. Department of Labor
Occupational Safety and Health Administration

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Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 1 Type of Violation: **Serious**

Section 5(a)(1) of the Occupational Safety and Health Act of 1970: The employer did not furnish employment and a place of employment which were free from recognized hazards that were causing or likely to cause death or serious physical harm, including severe burns, to employees in that employees were exposed to dust explosion, deflagration, or other fire hazards from combustible dust associated with the metalizing process:

The employer does not ensure engineering controls are in place to minimize the escape of combustible dust. This violation was observed on or about December 8, 2014 and at times prior there to, in the Metalizing Booth.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the date of this citation, the employer must submit documentation describing the steps that is taking to engineering controls are in place to minimize escape of combustible dust.

Among other methods, one feasible and acceptable abatement method to correct these hazards is to comply with the National Fire Protection Agency (NFPA) 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids 2006 Edition".

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:	06/08/2015
Proposed Penalty:	\$7000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

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Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 2 a Type of Violation: **Serious**

29 CFR 1910.106(d)(4)(i): Inside storage rooms were not constructed to meet the required fire-resistive rating for their use. Such construction did not comply with the test specifications set forth in Standard Methods of Fire Tests of Building Construction and Materials, NFPA 251-1969.

The employer does not ensure the inside paint storage room is constructed to meet the fire-resistive rating for their use. This violation was observed on or about December 8, 2014, where employees are exposed to hazards associated with fire.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure inside paint storage room is constructed to meet the required fire-resistive rating for their use.

Date By Which Violation Must be Abated: 06/08/2015
Proposed Penalty: \$6600.00

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 2 b Type of Violation: **Serious**

29 CFR 1910.106(d)(4)(ii): Storage in inside storage rooms shall comply with Table H-13.

The employer does not ensure paint storage inside the storage room at the old paint booth is in compliance with Table H-13. This violation was observed on or about December 8, 2014, where employees are exposed to hazards associated with fire and explosion.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure paint storage inside the storage room is in compliance with Table H-13.

Date By Which Violation Must be Abated:

06/08/2015

U.S. Department of Labor
Occupational Safety and Health Administration

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Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 2 c Type of Violation: **Serious**

29 CFR 1910.106(d)(4)(iv): Every inside storage room was not provided with either a gravity or a mechanical exhaust ventilation system:

The employer does not ensure the paint storage area is provided with ventilation. This violation was observed on or about December 8, 2014, where employees are exposed to hazards associated with fire and explosion.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure every inside storage room will be provided with either a gravity or a mechanical exhaust ventilation system.

Date By Which Violation Must be Abated:

06/08/2015

U.S. Department of Labor
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Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 2 d Type of Violation: **Serious**

29 CFR 1910.106(d)(4)(v): In every inside storage room there shall be maintained one (1) clear aisle at least three (3) feet wide.

The employer does not ensure an aisle at least three (3) feet wide is maintained in the paint storage room. This violation was observed on or about December 8, 2014, in the paint storage room where employees are exposed to hazards associated with fire.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure in every inside storage room there is one (1) clear aisle at least three (3) feet wide maintained.

Date By Which Violation Must be Abated:

05/28/2015

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 3 a Type of Violation: **Serious**

29 CFR 1910.107(b)(2): The interior surfaces of spray booths were not smooth and continuous without edges and otherwise designed to prevent pocketing of residues and facilitate cleaning and washing without injury:

The employer does not ensure the walls of the metalizing booth are smooth and continuous. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily in the booth and are exposed to hazards associated with fire.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure the walls of the metalizing booth are smooth and continuous.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:	06/08/2015
Proposed Penalty:	\$5500.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 3 b Type of Violation: **Serious**

29 CFR 1910.107(e)(2): The quantity of flammable liquids or liquids with a flashpoint greater than 199.4 degrees F (93 degrees C) kept in the vicinity of spraying operations exceeded a supply for one day or one shift:

The employer allows more than one days supply of flammable liquids to be stored in the vicinity of spraying operations. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily. Employees are exposed to hazards associated with fire and explosion.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure the quantity of paint kept in the vicinity of spraying operations is kept to one days supply.

Date By Which Violation Must be Abated:

05/28/2015

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

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Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 4 a Type of Violation: **Serious**

29 CFR 1910.107(b)(5)(iv): Space within the spray booth on the downstream and upstream sides of filters were not protected with approved automatic sprinklers:

The employer does not ensure the downstream side of the filters of the west exhaust unit in the old spray booth is protected by approved automatic sprinklers. This violation was observed on or about February 4, 2015, where employees are exposed to hazards associated with fire and explosion.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure downstream side of the filters of the west exhaust unit within the old spray booth is protected by approved automatic sprinklers.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:	05/26/2015
Proposed Penalty:	\$7000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 4 b Type of Violation: **Serious**

29 CFR 1910.107(f)(3): Sprinklers protecting spraying areas were not kept as free from deposits as practical by cleaning daily if necessary:

The employer does not ensure the sprinkler for the fire suppression system behind the filters covering the west exhaust fan in the old paint booth is kept clean. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily. Employees are exposed to hazards associated with fire and explosion.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure fire sprinklers in paint booths are kept clean.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 05/28/2015

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 5 a Type of Violation: **Serious**

29 CFR 1910.107(c)(2): Open flame or spark producing equipment was within a spraying area and/or within 20 feet thereof, was not separated by a partition:

The employer does not ensure open flames and spark producing equipment are not used in or within 20 feet of any spraying area. Employees are exposed to hazards associated with fire and explosion. This violation was observed on or about December 8, 2014, at the following locations:

- a) Open flame infrared heaters are used in the metalizing booth.
- b) Open flame salamander heaters are used in the metalizing booth.
- c) Open flame infrared heaters are used in the old paint booth.
- d) Open flame infrared heaters are used within 8 to 10 feet of the old paint booth.
- e) Spark producing equipment is used within 8 to 10 feet of the old paint booth.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure open flames or spark producing equipment is not used in or within 20 feet of a spray area or booth.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 05/28/2015
Proposed Penalty: \$7000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
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Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.

Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.

Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 5 b Type of Violation: **Serious**

29 CFR 1910.107(g)(2): All spraying areas were not kept as free from the accumulation of deposits of combustible residues as practical, with cleaning conducted daily if necessary:

The employer does not ensure combustible residues in spraying areas do not accumulate. This violation was observed on or about December 8, 2014, where employees are exposed to hazards associated with fire and explosion.

- a) Combustible residue is allowed to collect on the floor of the old paint booth.
- b) Combustible residue is allowed to collect on the walls of the old paint booth.
- c) In the old paint booth combustible residue is allowed to collect inside the west exhaust fan unit on the floor of the metal housing for the unit.
- d) Combustible residue is allowed to collect on equipment and structure inside both the east and west exhaust fan units in the old paint booth.
- e) Combustible residue is allowed to collect on the floor of the metalizing booth.
- f) Combustible residue is allowed to collect on the walls of the metalizing booth.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure residue is not allowed to accumulate.

Date By Which Violation Must be Abated:

06/08/2015

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
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Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 6 Type of Violation: **Serious**

29 CFR 1910.107(c)(5): Electrical equipment not approved for locations containing both deposits of readily ignitable residues and explosive vapors was present in spraying area(s):

The employer allows electrical wiring and equipment to be in an area subject to deposits of ignitable residue and explosive vapors. This violation was observed on or about December 8, 2014, where employees in the metalizing booth are exposed to hazards associated with fire and explosion.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure electrical in spray areas or booths is intrinsically safe.

Date By Which Violation Must be Abated:	06/08/2015
Proposed Penalty:	\$5500.00

U.S. Department of Labor
Occupational Safety and Health Administration

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Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 7 Type of Violation: **Serious**

29 CFR 1910.107(g)(1): Spraying was conducted outside of predetermined spraying areas.

The employer does not ensure spraying is not conducted outside of predetermined spraying areas. This violation occurred on or about December 8, 2014, where employees spray flammable paints in the facility. Employees are exposed to hazards associated with fire and explosion and hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees do not spray outside predetermined areas.

Date By Which Violation Must be Abated:
Proposed Penalty:

05/26/2015
\$5500.00

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
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Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 8 Type of Violation: **Serious**

29 CFR 1910.134(d)(3)(iii)(B)(2): The employer did not implement a change schedule for respirators not equipped with an End of Service Life Indicator that would ensure cartridges were changed before the end of their service life:

The employer does not implement a change schedule for respirator cartridges used by employees spraying paints. This violation was observed on or about December 8, 2014, where employees spray paints. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure a cartridge change schedule is implemented.

Date By Which Violation Must be Abated: 06/03/2015
Proposed Penalty: \$6600.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 9 a Type of Violation: **Serious**

29 CFR 1910.134(f)(2): Employee(s) using tight-fitting facepiece respirators were not fit tested prior to initial use of the respirator, whenever a different respirator facepiece is used, and at least annually thereafter:

The employer does not ensure all employees receive a respiratory protection fit test. This violation was observed on or about December 8, 2014, where employees spray flammable paints, abrasive blast and metalize daily. Employees are exposed to hazards associated with chemicals.

- a) Two employees in the metalizing booth have not received respiratory protection fit tests.
- b) Employees in the paint booth have not received a respiratory protection fit test for wearing full face respiratory protection.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees receive the required respiratory protection fit test.

Date By Which Violation Must be Abated: 06/08/2015
Proposed Penalty: \$6600.00

U.S. Department of Labor
Occupational Safety and Health Administration

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Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 9 b Type of Violation: **Serious**

29 CFR 1910.134(g)(1)(i)(A): Respirators with tight-fitting facepieces were worn by employees who had facial hair that came between the sealing surface of the facepiece and the face or that interfered with valve function:

The employer allows employees to wear a tight-fitting respirator while having facial hair that comes between the sealing surface and the face. This violation was observed on or about December 8, 2014, where employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees do not have facial hair that interferes with the face to face piece seal.

Date By Which Violation Must be Abated:

05/26/2015

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Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 10 b Type of Violation: **Serious**

29 CFR 1910.134(h)(2)(i): Respirators were not stored to protect them from damage, contamination, dust, sunlight, extreme temperatures, excessive moisture, and damaging chemicals or were not packed or stored to prevent deformation of the facepiece and exhalation valve:

The employer allows employees to store respirators in areas not protected from contamination and damaging chemicals. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure respirators are properly stored.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 05/28/2015

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

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Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 11 Type of Violation: **Serious**

29 CFR 1910.134(i)(7): Oil lubricated compressor(s) used to supply breathing air did not have a high-temperature or carbon monoxide alarm(s) or both:

The employer does not ensure the carbon monoxide monitors for the supplied air systems used in the metalizing and abrasive blasting areas are functioning properly. This violation was observed on or about December 8, 2014, where employees are exposed to hazards associated with carbon monoxide.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure carbon monoxide monitors remain in operation.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 05/26/2015
Proposed Penalty: \$7000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 12 Type of Violation: **Serious**

29 CFR 1910.134(k)(1): The employer did not ensure that each employee can demonstrate knowledge of items in (i)-(vii):

The employer does not ensure employees can demonstrate the knowledge contained in items (i)-(vii) where employees are not trained or are provided inadequate training. This violation was observed on or about December 8, 2014, where employees spray flammable paints, abrasive blast and metalize using zinc daily. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees receive adequate respiratory protection training.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:	06/08/2015
Proposed Penalty:	\$7000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 13 a Type of Violation: **Serious**

29 CFR 1910.141(g)(2): Employees were allowed to consume food or beverages in an area exposed to a toxic material:

The employer does not ensure employees did not consume food or beverages in areas exposed to toxic materials. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily, weld and grind aluminum, carbon and stainless steel, abrasive blast and metalize using zinc. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees are provided a place to eat and drink and ensure employees do not eat and drink in work areas.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:	06/08/2015
Proposed Penalty:	\$7000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 13 b Type of Violation: **Serious**

29 CFR 1910.141(g)(4): Food or beverages were stored in area(s) exposed to toxic material(s):

The employer does not ensure employees did not store food in areas exposed to toxic materials. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily, weld and grind carbon and stainless steel, abrasive blast and metalize using zinc. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees are provided a place to store food and drink and are not allowed to store them in work areas.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 06/08/2015

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 14 Type of Violation: **Serious**

29 CFR 1910.151(c): Where employees were exposed to injurious corrosive materials, suitable facilities for quick drenching or flushing of the eyes and body were not provided within the work area for immediate emergency use:

The employer does not provide facilities for quick drenching or flushing of the eyes or body. This violation was observed on or about December 8, 2014, where employees spray corrosive paints daily. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure an eyewash is provided in each area where employees are exposed to corrosives.

Date By Which Violation Must be Abated:	06/11/2015
Proposed Penalty:	\$6600.00



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

The alleged violations below have been grouped because they involve similar or related hazards that may increase the potential for injury or illness.

Citation 1 Item 15 a Type of Violation: **Serious**

29 CFR 1910.1200(e)(1): The employer does not implement at each workplace, a written hazard communication program which at least describes how the criteria specified in paragraphs (f), (g), and (h) of this section for labels and other forms of warning, safety data sheets, and employee information and training are met:

The employer does not implement the companys written hazard communication program. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily, weld and grind aluminum and carbon and stainless steel, abrasive blast and metalize using zinc. Employees were exposed to the hazard of contact with hazardous materials such as, but not limited to silica, chromium (VI), copper fume, manganese fume, nickel, metal and insoluble compounds, zinc oxide fume, iron oxide fume and chromium, metal and insoluble salts as well as paints and thinner containing hazardous chemicals such as, but not limited to, hexamethylene diisocyanate, hexamethylene diisocyanate homopolymer, n-Butyl Acetate and 1,2,4 Trimethylbenzene, ethyl benzene and toluene.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure the walls of the metalizing booth are smooth and continuous.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:	06/08/2015
Proposed Penalty:	\$7000.00

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 15 c Type of Violation: **Serious**

29 CFR 1910.1200(g)(8): The employer did not maintain in the workplace copies of the required safety data sheets for each hazardous chemical, and did not ensure that they were readily accessible during each work shift to employees when they were in their work area(s):

The employer does not ensure safety data sheets (SDS) are readily available to all employees. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily, weld and grind aluminum, carbon and stainless steel, abrasive blast and metalize using zinc. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure the Safety Data Sheets are readily accessible to all employees.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: **05/28/2015**

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 15 d Type of Violation: **Serious**

29 CFR 1910.1200(h)(3)(iv): The details of the hazard communication program developed by the employer, did not include an explanation of the labels received on shipped containers and the workplace labeling system used by their employer; the safety data sheet, including the order of information and how employee could obtain and use the appropriate hazard information:

The employer does not provide training to employees which includes an explanation of the labels received on shipped containers and the safety data sheets, including the order of information and how employees can obtain and use the appropriate hazard information. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily, weld and grind aluminum, carbon and stainless steel, abrasive blast and metalize using zinc. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure the hazard communication program is implemented.

Date By Which Violation Must be Abated:

06/08/2015

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 1 Item 15 e Type of Violation: **Serious**

29 CFR 1910.1026(l)(1)(iii): The employer did not include chromium (VI) in the hazard communication program, established to comply with the Hazard Communication Standard, 29 CFR 1910.1200, ensure that each employee had access to labels on containers of chromium (VI) and to safety data sheets, and was trained in accordance with the requirements of the Hazard Communication Standard and 29 CFR 1910.1026:

The employer does not:

- a) Include chromium (VI) in the hazard communication program
- b) Provide each employee access to the safety data sheets
- c) Provide each employee training in accordance to the requirements of the Hazard Communication Standard and paragraph (l)(2) of this section.

This violation was observed on or about December 8, 2014 where employees weld and grind stainless steel. Employees are exposed to the hazard of contact with chromium (VI).

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure chromium (VI) is included in the hazard communication program, ensure employees have access to safety data sheets and provide each employee with necessary training.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:

06/08/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 2 Item 1 Type of Violation: **Repeat**

29 CFR 1910.134(c)(1): A written respiratory protection program that included the provisions in 29 CFR 1910.134(c)(1)(i) - (ix) with worksite specific procedures was not established and implemented for required respirator use:

The employer does not provide a written respiratory protection program with required worksite specific procedures and elements for required respirator use. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily, abrasive blast using silica sand and metal beads and metalize using zinc. Employees are exposed to the hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees receive effective training in hazard communication.

Alfa Laval, Inc. was previously cited for a violation of this occupational safety and health standard or its equivalent standard 29 CFR 1910.134(c), which was contained in OSHA inspection number 242695, citation number 1, item number 1 and was affirmed as a final order on May 7, 2012, with respect to a workplace located at 321 Foster Avenue, Wood Dale, IL 60191.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated:	06/08/2015
Proposed Penalty:	\$33000.00

U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 1012280
Inspection Date(s): 12/08/2014 - 03/27/2015
Issuance Date: 05/22/2015



Citation and Notification of Penalty

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012

Citation 2 Item 2 Type of Violation: **Repeat**

29 CFR 1910.1200(h)(1): Employees were not provided effective information and training on hazardous chemicals in their work area at the time of their initial assignment and whenever a new hazard that the employees had not been previously trained about was introduced into their work area:

The employer does not provide effective information and training to employees exposed to hazardous chemicals in the workplace. This violation was observed on or about December 8, 2014, where employees spray flammable paints daily, metalize using zinc creating a combustible dust, weld and grind carbon and stainless steel and abrasive blast using silica sand and metal shot. Employees are exposed to hazards associated with chemicals.

Pursuant to 29 CFR 1903.19, within ten (10) calendar days of the abatement date, the employer must submit documentation showing it is in compliance with the standard, including describing the steps it is taking to ensure employees receive effective training in hazard communication.

Alfa Laval, Inc. was previously cited for a violation of this occupational safety and health standard or its equivalent standard 29 CFR 1910.1200(h)(1), which was contained in OSHA inspection number 242695, citation number 2, item number 1 and was affirmed as a final order on May 7, 2012, with respect to a workplace located at 321 Foster Avenue, Wood Dale, IL 60191.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 06/03/2015
Proposed Penalty: \$38500.00

A handwritten signature in black ink, appearing to read "David A. Bates". The signature is written in a cursive style and is positioned above a horizontal line.

David A. Bates
Area Director

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.

U.S. Department of Labor
Occupational Safety and Health Administration
55 North Robinson
Suite 315
Oklahoma City, OK 73102
Phone: 405-278-9560 Fax: 405-278-9572



**INVOICE /
DEBT COLLECTION NOTICE**

Company Name: Alfa Laval Inc.
Inspection Site: 1201 S. 9th Street, Broken Arrow, OK 74012
Issuance Date: 05/22/2015

Summary of Penalties for Inspection Number	1012280
Citation 1, Serious	\$98500.00
Citation 2, Repeat	\$71500.00
TOTAL PROPOSED PENALTIES	\$170000.00

To avoid additional charges, please remit payment promptly to this Area Office for the total amount of the uncontested penalties summarized above. Make your check or money order payable to: "DOL-OSHA". Please indicate OSHA's Inspection Number (indicated above) on the remittance. You can also make your payment electronically on www.pay.gov. On the left side of the pay.gov homepage, you will see an option to Search Public Forms. Type "OSHA" and click Go. From the results, click on **OSHA Penalty Payment Form**. The direct link is <https://www.pay.gov/paygov/forms/formInstance.html?agencyFormId=53090334>. You will be required to enter your inspection number when making the payment. Payments can be made by credit card or Automated Clearing House (ACH) using your banking information. Payments of \$25,000 or more require a Transaction ID, and also must be paid using ACH. If you require a Transaction ID, please contact the OSHA Debt Collection Team at (202) 693-2170.

OSHA does not agree to any restrictions or conditions or endorsements put on any check, money order, or electronic payment for less than the full amount due, and will cash the check or money order as if these restrictions or conditions do not exist.

If a personal check is issued, it will be converted into an electronic fund transfer (EFT). This means that our bank will copy your check and use the account information on it to electronically debit your account for the amount of the check. The debit from your account will then usually occur within 24 hours and will be shown on your regular account statement. You will not receive your original check back. The bank will destroy your original check, but will keep a copy of it. If the EFT cannot be completed because of insufficient funds or closed

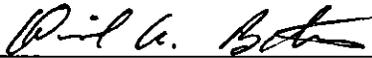
account, the bank will attempt to make the transfer up to 2 times.

Pursuant to the Debt Collection Act of 1982 (Public Law 97-365) and regulations of the U.S. Department of Labor (29 CFR Part 20), the Occupational Safety and Health Administration is required to assess interest, delinquent charges, and administrative costs for the collection of delinquent penalty debts for violations of the Occupational Safety and Health Act.

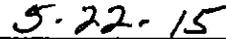
Interest: Interest charges will be assessed at an annual rate determined by the Secretary of the Treasury on all penalty debt amounts not paid within one month (30 calendar days) of the date on which the debt amount becomes due and payable (penalty due date). The current interest rate is one percent (1%). Interest will accrue from the date on which the penalty amounts (as proposed or adjusted) become a final order of the Occupational Safety and Health Review Commission (that is, 15 working days from your receipt of the Citation and Notification of Penalty), unless you file a notice of contest. Interest charges will be waived if the full amount owed is paid within 30 calendar days of the final order.

Delinquent Charges: A debt is considered delinquent if it has not been paid within one month (30 calendar days) of the penalty due date or if a satisfactory payment arrangement has not been made. If the debt remains delinquent for more than 90 calendar days, a delinquent charge of six percent (6%) per annum will be assessed accruing from the date that the debt became delinquent.

Administrative Costs: Agencies of the Department of Labor are required to assess additional charges for the recovery of delinquent debts. These additional charges are administrative costs incurred by the Agency in its attempt to collect an unpaid debt. Administrative costs will be assessed for demand letters sent in an attempt to collect the unpaid debt.



David A. Bates
Area Director



Date