To:
Northrop Grumman
4400 Sen J Bennett Johnston Avenue
Lake Charles, LA 70615

Inspection Number: 988270
Inspection Date(s): 08/05/2014 - 12/23/2014
Issuance Date: 01/29/2015

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](http://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](https://www.pay.gov/paygov/forms/formInstance.html?agencyFormId=53090334). 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 $50,000 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 01/29/2015. The conference will be held by telephone or at the OSHA office located at 9100 Bluebonnet Centre Blvd., Suite 201, Baton Rouge, LA 70809 on ____________ at ____________. Employees and/or representatives of employees have a right to attend an informal conference.
CERTIFICATION OF CORRECTIVE ACTION WORKSHEET

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615
Issuance Date: 01/29/2015

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, 9100 Bluebonnet Centre Blvd., Suite 201, Baton Rouge, LA 70809

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.
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 1 a  Type of Violation: Serious

29 CFR 1910.1026(c): Employees were exposed to an airborne concentration of chromium (VI) which exceeded 5 micrograms per cubic meter of air, as an 8-hour time-weighted average:

a) The employer does not ensure that no employees are exposed to an airborne concentration of chromium(VI) of five (5) micrograms per cubic meter as an eight (8) hour time weighted average (TWA) while painting aircraft parts. This violation occurred on 8/12/2014, in the paint booth on the south corner of building 3001, when an employee was exposed to an eight-hour time weighted average concentration of twenty-seven (27) micrograms per cubic meter of chromium(VI) when sampled for 441 minutes. Zero exposure was assumed for the un-sampled 39 minutes.

b) The employer does not ensure that no employees are exposed to an airborne concentration of chromium(VI) of five (5) micrograms per cubic meter as an eight (8) hour time weighted average (TWA) while painting aircraft parts. This violation occurred on 12/22/2014, in the paint booth on the south corner of building 3001, when an employee was exposed to an eight-hour time weighted average concentration of twenty-nine (29) micrograms per cubic meter of chromium(VI) when sampled for 87 minutes. Zero exposure was assumed for the un-sampled 393 minutes.

c) The employer does not ensure that no employees are exposed to an airborne concentration of chromium(VI) of five (5) micrograms per cubic meter as an eight (8) hour time weighted average (TWA) while painting aircraft parts. This violation occurred on 12/22/2014, in the paint booth on the south corner of building 3001, when an employee was exposed to an eight-hour time weighted average concentration of thirty-four (34) micrograms per cubic meter of chromium(VI) when sampled for 87 minutes. Zero exposure was assumed for the un-sampled 393 minutes.
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 03/05/2015
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.
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 1 b Type of Violation: Serious

29 CFR 1910.1026(f)(1)(ii): Painting of aircraft or large aircraft parts was performed; however, the employer did not use feasible engineering and work practice controls to reduce and maintain employee exposures to chromium (VI) to or below 25 micrograms per cubic meter of air:

a) The employer does not use feasible engineering and work practice controls to ensure that no employees are exposed to an airborne concentration of chromium (VI) of twenty-five (25) micrograms per cubic meter as an eight (8) hour time weighted average (TWA) while painting aircraft parts. This potential overexposure occurred on 8/12/2014, in the paint booth on the south corner of building 3001, when an employee was exposed to an eight-hour time weighted average concentration of twenty-seven (27) micrograms per cubic meter of chromium(VI) when sampled for 441 minutes. Zero exposure was assumed for the un-sampled 39 minutes.

b) The employer does not use feasible engineering and work practice controls to ensure that no employees are exposed to an airborne concentration of chromium(VI) of twenty-five (25) micrograms per cubic meter as an eight (8) hour time weighted average (TWA) while painting aircraft parts. This violation occurred on 12/22/2014, in the paint booth on the south corner of building 3001, when an employee was exposed to an eight-hour time weighted average concentration of twenty-nine (29) micrograms per cubic meter of chromium(VI) when sampled for 87 minutes. Zero exposure was assumed for the un-sampled 393 minutes.

c) The employer does not use feasible engineering and work practice controls to ensure that no employees are exposed to an airborne concentration of chromium(VI) of twenty-five (25) micrograms per cubic meter as an eight (8) hour time weighted average (TWA) while painting aircraft parts. This violation occurred on 12/22/2014, in the paint booth on the south corner of building 3001, when an employee was exposed to an eight-hour time weighted average concentration of thirty-four (34) micrograms per cubic meter of chromium(VI) when sampled for 87 minutes. Zero exposure was assumed for the un-sampled 393 minutes.
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 03/05/2015
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 1c Type of Violation: Serious

29 CFR 1910.1026(g)(2): The employer required respirator use for protection against chromium (VI); however, the employer did not institute a respiratory protection program in accordance with the Respiratory Protection standard, 29 CFR 1910.134, which covers each employee required to use a respirator:

On or about 8/05/2014, in the painting booth in the south corner of building 3001, the employer allowed employees to spray chromium(VI) containing primer onto aircraft parts without providing appropriate respiratory protection.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 02/13/2015
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 1 d Type of Violation: Serious

29 CFR 1910.134(d)(1)(i): Selection of appropriate respirators was not based on the respiratory hazard(s) to which the worker was exposed and user factors that affect respirator performance and reliability:

On or about 8/5/2014, in the paint booth on the south side of building 3001, the employer allowed employees to spray primer containing chromium(VI) onto aircraft parts and did not provide the appropriate respirator filter cartridge.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 02/13/2015
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1  Item 2  Type of Violation: Serious

29 CFR 1910.1026(h)(1): A hazard was present or was likely to be present from skin or eye contact with chromium (VI); however, the employer did not provide appropriate personal protective clothing and equipment at no cost to employees, and/or did not ensure that employees used such clothing and equipment:

On or about 8/05/2014, in building 3001, the employer allowed employees to be exposed to chromium(VI) while painting and conducting paint removal on aircraft parts and did not provide protective hoods to prevent skin exposure on the head and neck.

Date By Which Violation Must be Abated: Corrected During Inspection
Proposed Penalty: $7000.00
U.S. Department of Labor
Occupational Safety and Health Administration

Inspection Number: 988270
Inspection Date(s): 08/05/2014 - 12/23/2014
Issuance Date: 01/29/2015

Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 3 Type of Violation: Serious

29 CFR 1910.1026(i)(1): The employer did not provide change rooms, in conformance with the Sanitation standard, 29 CFR 1910.141, for employees who were required to change their clothes to use protective clothing and equipment for chromium (VI) exposures:

On or about 08/05/2014, in building 3001, the employer allowed employees to be exposed to chromium(VI) while painting and conducting paint removal on aircraft parts and did not provide change rooms.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 03/05/2015
Proposed Penalty: $5000.00

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: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 4 Type of Violation: Serious

29 CFR 1910.1052(d)(1)(i): Where methylene chloride was present in the workplace, the employer did not determine each employee's exposure:

On or about 08/05/2014, on the northeast wall of building 3001, the employer allowed employees to remove paint from aircraft parts using a methylene chloride based solvent without determining each employee’s exposure.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 02/18/2015
Proposed Penalty: $5000.00
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

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 1910.1052(e)(6): The employer did not demarcate regulated areas from the rest of the workplace in any manner that adequately established and alerted employees to the boundaries of the area and minimized the number of authorized employees exposed to methylene chloride within the regulated area:

On or about 08/05/2014, near the stripping booth on the northeast side of building 3001, the employer allowed employees to work near painters using methylene chloride solvent without adequately alerting employees of the boundaries of the regulated area.

Date By Which Violation Must be Abated: Corrected During Inspection
Proposed Penalty: $4000.00

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.
Citation 1  Item 5b  Type of Violation: Serious

29 CFR 1910.1026(e)(2): The employer did not ensure that a regulated area for chromium (VI) was demarcated from the rest of the workplace in a manner that adequately established and alerted employees of the boundaries of the regulated area:

On or about 08/05/2014, near the paint booth in the south corner of building 3001, the employer allowed employees to work near painters applying strontium chromate primer onto aircraft parts without adequately alerting employees of the boundaries of the regulated area.

Date By Which Violation Must be Abated: Corrected During Inspection
Citation and Notification of Penalty

Company Name: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 6  Type of Violation: Serious

29 CFR 1910.1052(h)(1): Where needed to prevent methylene chloride induced skin or eye irritation, the employer did not provide clean protective clothing and equipment resistant to methylene chloride, at no cost to the employee, and/or did not ensure that each affected employee used it:

On or about 08/05/2014, in the stripping booth on the northeast side of building 3001, the employer allowed employees to spray solvent containing methylene chloride onto aircraft parts without providing coveralls resistant to methylene chloride or ensuring that employees wore protective hoods in order to prevent skin contact on the head, neck, and face.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 02/18/2015
Proposed Penalty: $4000.00

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: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 7  Type of Violation: Serious

29 CFR 1910.1052(l)(1): The employer did not provide information and training for each affected employee prior to or at the time of initial assignment to a job involving potential exposure to methylene chloride:

On or about 08/05/2014, in the stripping booth on the northeast wall of building 3001, the employer allowed employees to apply a solvent containing methylene chloride to aircraft parts and did not provide training on methylene chloride to employees applying the solvent or employees with potential exposure working nearby.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 02/13/2015
Proposed Penalty: $5000.00

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: Northrop Grumman
Inspection Site: 4400 Sen J Bennett Johnston Avenue, Lake Charles, LA 70615

Citation 1 Item 8   Type of Violation: Serious


On or about 8/5/2014, in the stripping booth on the northeast wall of building 3001, the employer allowed employees to use a solvent containing methylene chloride in order to remove paint and adhesives from wings of aircraft without ensuring that employees wore atmosphere-supplying respirators.

ABATEMENT DOCUMENTATION REQUIRED FOR THIS ITEM

Date By Which Violation Must be Abated: 02/18/2015
Proposed Penalty: $5000.00

Dorinda Folse
Area Director

See pages 1 through 4 of this Citation and Notification of Penalty for information on employer and employee rights and responsibilities.
**INVOICE / DEBT COLLECTION NOTICE**

<table>
<thead>
<tr>
<th>Company Name:</th>
<th>Northrop Grumman</th>
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<tbody>
<tr>
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<tr>
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<td>01/29/2015</td>
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**Summary of Penalties for Inspection Number 988270**

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<tr>
<th>Citation 1, Serious</th>
<th>TOTAL PROPOSED PENALTIES</th>
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<tbody>
<tr>
<td>$42000.00</td>
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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](http://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](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 $50,000 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.

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Dorinda Folse
Area Director