BOBBY JINDAL
GOVERNOR

HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY
ENVIRONMENTAL SERVICES

Certified Mail No.

Activity No.: PER20060008
Agency Interest No. 593

Robert L. Merchent
Vice President
Avondale Facility
P.O. Box 50280
New Orleans, LA 70150-0280

RE: Part 70 Operating Permit, Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility, Jefferson Parish, Louisiana

Dear Mr. Merchent:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 28th of December, 2009, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this _____ day of _____, 2009.

Permit No.: 1340-00015-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:bsc
c: EPA Region VI

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
NORTHROP GRUMMAN SHIPBUILDING, INC
AVONDALE FACILITY
PROPOSED PART 70 AIR OPERATING PERMIT MINOR MODIFICATION

The LDEQ, Office of Environmental Services, is accepting written comments on the proposed Part 70 air operating permit minor modification for Northrop Grumman Shipbuilding, Inc, P.O. Box 50280, New Orleans, Louisiana 70150 for the Avondale Facility. **The facility is located at 5100 River Road in Avondale, Jefferson Parish.**

The Avondale Facility is an existing shipbuilding and repair facility that has been in continuous operation since 1938. It currently operates under Permit No. 1340-00015-V0, issued December 28, 2004. Northrop Grumman Shipbuilding, Inc requested a minor modification of the Part 70 air operating permit. The minor modification includes the following:

- Create six new facility-wide emission caps that will provide greater operational flexibility and streamline operational data recordkeeping procedures,
- Reconcile emission source calculations methodologies for existing emission sources,
- Incorporate Case-by-Case Insignificant Activity notifications,
- Delete previously permitted emission sources that have been removed from service, and
- Incorporate the proposed Shothouse Modernization Project.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM_{10}	117.01	109.94	− 7.07
SO_2	1.82	3.85	+ 2.03
NO_x	67.77	106.50	+ 38.73
CO	34.15	38.02	+ 3.87
VOC	579.68	626.56	+ 46.88
TSP	233.24	221.39	− 11.85

Total TAPs shall not exceed their respective limits or the VOC, PM10 or TSP limits established for each Subject Item or Group within the permit.

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, June 29, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written

comments or a written request for notification of the final decision.

The application, proposed permit modification and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). **The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at www.deq.louisiana.gov**.

Additional copies may be reviewed at Jefferson Parish Library, Westwego Branch, 635 Fourth Street, Westwego, LA 70094.

Inquiries or requests for additional information regarding this permit action should be directed to Shane Clary, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3069.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at deqmaillistrequest@la.gov or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

Permit public notices including electronic access to the proposed permit and statement of basis can be viewed at the LDEQ permits public notice webpage at www.deq.louisiana.gov/apps/pubNotice/default.asp and general information related to the public participation in permitting activities can be viewed at www.deq.louisiana.gov/portal/tabid/2198/Default.aspx.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm.

All correspondence should specify AI Number 593, Permit Number 1340-00015-V1, and Activity Number PER20060008.

Scheduled publication date: Tuesday, May 26, 2009

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

I. Background

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility (Avondale), an existing shipbuilding and repair facility, has been in continuous operation since 1938. Avondale currently operates under Permit No. 1340-00015-V0, issued December 28, 2004.

This is the Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Northrop Grumman Shipbuilding, Inc. on May 25, 2006, requesting a Part 70 operating permit minor modification. Additional information dated March 26, 2009 was also received.

III. Description

Avondale is a fully integrated shipbuilding and repair facility for marine vessels. Operations at the facility include cutting and rolling of metal plates, welding, surface preparing and coating, carpentering, and electrical installing and testing. The yard also fabricates other metal components when such occasions arise.

Structural and plate steel come to the shipyard either by railcar or by truck. Upon arrival, the steel is stored in an outdoor storage yard. Plate steel and structural steel are routed either to the plate blast and paint building or the structural blast and paint building, where any surface rust and/or debris are removed and a primer coat of paint is applied. The steel is then routed to the Plate Shop or the Structural Processing Center to be cut to specification. The plate steel and structural steel are then combined to form units in the Factory. After each unit is constructed, the completed unit is transported to the shot house/blast and paint house, Building 827, or Building 819 where the unit is blasted and painted. After painting, the unit is transported to the building ways where it is fitted to other units that will eventually form a ship.

Emissions at Avondale are primarily generated by abrasive blasting, welding, cutting, surface coating, and fuel-burning equipment associated with shipbuilding and repair operations. Additionally, supporting equipment and activities such as portable boilers, cooling towers, interior road traffic, and wastewater treatment facilities also contribute to the total emissions generated at Avondale.

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Avondale, Jefferson Parish, Louisiana

With this modification, Avondale proposes to:

- Create six new facility-wide emission caps that will provide greater operational flexibility and streamline operational data recordkeeping procedures,
- Reconcile emission source calculations methodologies for existing emission sources,
- Incorporate Case-by-Case Insignificant Activity notifications,
- Delete previously permitted emission sources that have been removed from service, and
- Incorporate the proposed Shothouse Modernization Project.

Estimated emissions in tons per year are as follows:

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VOC	579.68	626.56	+ 46.88
TSP	233.24	221.39	− 11.85

*VOC LAC 33:III Chapter 51 Toxic Air Pollutants (Tons/yr):

Pollutant	Before	After	Change
1,1,1-Trichloroethane	247.710	247.753	+ 0.043
1,3-Butadiene	7.980	7.980	-
1,4-Dichlorobenzene	242.510	242.510	-
1,4-Dioxane	0.020	0.017	− 0.003
2,2,4-Trimethylpentane	0.140	0.016	− 0.124
Acetaldehyde	-	0.007	+ 0.007
Acetophenone	-	< 0.001	+ 0.001
Benzene	104.930	104.932	+ 0.002
Benzyl Chloride	242.510	242.510	-
Carbon Tetrachloride	57.890	57.886	− 0.004
Cumene	242.650	242.513	− 0.137
Dibutyl Phthalate	79.880	79.880	-
Dichloromethane	1.620	1.645	+ 0.025
Dimethyl Phthalate	0.010	0.003	− 0.007
Epichlorohydrin	0.020	0.016	− 0.004
Ethylbenzene	242.770	248.833	+ 6.063
Ethylene Glycol	243.010	243.009	− 0.001

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Northrop Grumman Ship Systems Inc
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Ethylene Oxide	8.680	8.680	-
Formaldehyde	66.740	66.764	+ 0.024
Glycol Ethers	242.510	242.510	-
Hydrogen Sulfide	1.440	1.419	– 0.021
Methanol	242.510	242.510	-
Methyl Ethyl Ketone	242.960	242.952	– 0.008
Methyl Isobutyl Ketone	242.540	242.510	– 0.030
Naphthalene	242.800	242.776	– 0.024
n-Butyl Alcohol	242.510	242.510	-
n-Hexane	6.690	7.138	+ 0.438
Phenol	242.510	242.510	-
PAH	0.520	0.520	-
Propylene Oxide	242.510	242.510	-
Styrene	0.370	0.180	– 0.190
Toluene	245.830	246.005	+ 0.175
Toluene-2,4-Diisocyanate	0.580	0.580	-
Trichloroethylene	242.810	242.813	+ 0.003
Vinyl Acetate	242.510	242.510	-
Xylene (mixed isomers)	243.390	266.005	+ 22.615

Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (Tons/yr):

Pollutant	Before	After	Change
Arsenic**	-	< 0.001	+ 0.001
Barium**	0.021	< 0.001	– 0.021
Chromium VI**	0.090	0.003	– 0.087
Cobalt**	103.482	103.456	– 0.026
Copper**	16.286	16.291	+ 0.005
Lead**	2.10	2.09	– 0.01
Manganese**	1.507	0.555	– 0.952
Nickel**	1.251	1.218	– 0.033
Zinc**	103.474	103.485	+ 0.011

* Total TAPs shall not exceed their respective limits, or the VOC, PM10, or TSP limits established for each Subject Item or Group within the permit.

** and compounds

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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and National Emission Standards for Hazardous Air Pollutants (NESHAP). Prevention of Significant Deterioration (PSD) does not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

This facility is subject to the following NESHAP regulation:
NESHAP – Subpart II – National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on **<date>**, 200X; and in the <local paper>, <local town>, on **<date>**, 200X. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **<date>**. The draft permit was also submitted to US EPA Region VI on **<date>**. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Emissions associated with the proposed modification were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS. LDEQ did not require the applicant to model emissions.

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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

VIII. General Condition XVII Activities

None

IX. Insignificant Activities

ID No.:	Description	Citation
050A	6000 gallon Diesel Storage Tank No. 1	LAC 33:III.501.B.5.A.3
050B	6000 gallon Diesel Storage Tank No. 3	LAC 33:III.501.B.5.A.3
050C	1300 gallon Diesel Storage Tank No. 5	LAC 33:III.501.B.5.A.3
050F	9000 gallon Diesel Storage Tank No. 6	LAC 33:III.501.B.5.A.3
063	600 gallon Oil-Water Separator	LAC 33:III.501.B.5.A.3
GF-1	265 gallon ASI 2483 Diesel Storage Tank	LAC 33:III.501.B.5.A.3
GF-2	315 gallon ASI 5141 Diesel Storage Tank	LAC 33:III.501.B.5.A.3
GF-3	560 gallon ASI 5389 Diesel Storage Tank	LAC 33:III.501.B.5.A.3
055F	0.93 MM BTU/hr Portable Dehumidifier/Air	LAC 33:III.501.B.5.A.5
055G	0.46 MM Btu/hr Portable Dehumidifier/Air Heater	LAC 33:III.501.B.5.A.5
055H	0.46 MM Btu/hr Portable Dehumidifier/Air Heater	LAC 33:III.501.B.5.A.5
055I	0.23 MM Btu/hr Portable Dehumidifier/Air Heater	LAC 33:III.501.B.5.A.5
055J	0.23 MM Btu/hr Portable Dehumidifier/Air Heater	LAC 33:III.501.B.5.A.5
055K	0.69 MM Btu/hr Portable Dehumidifier/Air Heater	LAC 33:III.501.B.5.A.5
055L	0.69 MM Btu/hr Portable Dehumidifier/Air Heater	LAC 33:III.501.B.5.A.5
081A	0.27 MM Btu/hr Warehouse No. 2 Dehumidifier	LAC 33:III.501.B.5.A.5
081B	0.27 MM Btu/hr Warehouse No. 2 Dehumidifier	LAC 33:III.501.B.5.A.5
081C	0.27 MM Btu/hr Warehouse No. 2 Dehumidifier	LAC 33:III.501.B.5.A.5
IN-001	0.10 MM Btu/hr Pipe and Hose Maintenance	LAC 33:III.501.B.5.A.5
IN-002	0.08 MM Btu/hr Pipe and Hose Maintenance	LAC 33:III.501.B.5.A.5
IN-003	0.08 MM Btu/hr Air Condition Maintenance	LAC 33:III.501.B.5.A.5
IN-004	0.08 MM Btu/hr Electric Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-005	0.08 MM Btu/hr Electric Maintenance Heater	LAC 33:III.501.B.5.A.1
IN-006	0.08 MM Btu/hr Electric Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-007	0.08 MM Btu/hr Electric Maintenance Heater	LAC 33:III.501.B.5.A.5

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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-008	0.08 MM Btu/hr Welding Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-009	0.08 MM Btu/hr Welding Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-010	0.10 MM Btu/hr Welding Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-011	0.10 MM Btu/hr Welding Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-012	0.08 MM Btu/hr Welding Lab	LAC 33:III.501.B.5.A.5
IN-013	0.08 MM Btu/hr Welding Lab	LAC 33:III.501.B.5.A.5
IN-014	0.10 MM Btu/hr Wash Rack Heater (steam)	LAC 33:III.501.B.5.A.5
IN-015	0.10 MM Btu/hr Facility Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-016	0.08 MM Btu/hr Warehouse Maintenance Heater	LAC 33:III.501.B.5.A.5
IN-017	0.08 MM Btu/hr "Dupree" Equipment Heater	LAC 33:III.501.B.5.A.5
IN-018	0.08 MM Btu/hr "Mike James" Equipment Heater	LAC 33:III.501.B.5.A.5
IN-019	0.08 MM Btu/hr "Mike James" Equipment Heater	LAC 33:III.501.B.5.A.5
IN-020	0.08 MM Btu/hr "Mike James" Equipment Heater	LAC 33:III.501.B.5.A.5
IN-021	0.08 MM Btu/hr "Fred" Equipment Heater	LAC 33:III.501.B.5.A.5
IN-022	0.08 MM Btu/hr Heavy Equipment Heater	LAC 33:III.501.B.5.A.5
IN-023	0.08 MM Btu/hr Heavy Equipment Heater	LAC 33:III.501.B.5.A.5
IN-024	0.10 MM Btu/hr Heavy Equipment Dehumidifier	LAC 33:III.501.B.5.A.5
IN-025	0.08 MM Btu/hr Small Tools Heater	LAC 33:III.501.B.5.A.5
IN-026	0.08 MM Btu/hr Small Tools Heater	LAC 33:III.501.B.5.A.5
IN-027	0.08 MM Btu/hr Small Tools Heater	LAC 33:III.501.B.5.A.5
IN-028	0.08 MM Btu/hr Small Tools Heater	LAC 33:III.501.B.5.A.5
IN-029	0.08 MM Btu/hr Small Tools Heater	LAC 33:III.501.B.5.A.5
IN-030	0.08 MM Btu/hr Small Tools Heater	LAC 33:III.501.B.5.A.5
IN-031	0.10 MM Btu/hr Building 845 Heater	LAC 33:III.501.B.5.A.5
IN-032	0.10 MM Btu/hr Building 845 Heater	LAC 33:III.501.B.5.A.5
IN-033	0.10 MM Btu/hr Building 845 Heater	LAC 33:III.501.B.5.A.5
IN-034	0.10 MM Btu/hr Building 845 Heater	LAC 33:III.501.B.5.A.5
IN-035	0.10 MM Btu/hr Building 845 Heater	LAC 33:III.501.B.5.A.5
IN-036	0.10 MM Btu/hr Building 845 Heater	LAC 33:III.501.B.5.A.5
IN-037	0.10 MM Btu/hr Building 845 Heater	LAC 33:III.501.B.5.A.5
IN-038	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5

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Avondale, Jefferson Parish, Louisiana

IN-039	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-040	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-041	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-042	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-043	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-044	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-045	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-046	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-047	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-048	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-049	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-050	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-051	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-052	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-053	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-054	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-055	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-056	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-057	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-058	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-059	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-060	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5
IN-061	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-062	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-063	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-064	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-065	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-066	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-067	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-068	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-069	0.10 MM Btu/hr Factory Heater	LAC 33:III.501.B.5.A.5

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Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-070	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-071	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-072	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-073	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-074	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-075	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-076	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-077	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-078	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-079	0.10 MM Btu/hr Plate Shop Heater	LAC 33:III.501.B.5.A.5
IN-080	0.06 MM Btu/hr Flex Hose Shop Heater	LAC 33:III.501.B.5.A.5
IN-081	0.10 MM Btu/hr Module Shop Heater	LAC 33:III.501.B.5.A.5
IN-082	0.10 MM Btu/hr Module Shop Heater	LAC 33:III.501.B.5.A.5
IN-083	0.10 MM Btu/hr Module Shop Heater	LAC 33:III.501.B.5.A.5
IN-084	0.10 MM Btu/hr Module Shop Heater	LAC 33:III.501.B.5.A.5
IN-085	0.10 MM Btu/hr Module Shop Heater	LAC 33:III.501.B.5.A.5
IN-086	0.10 MM Btu/hr Module Shop Heater	LAC 33:III.501.B.5.A.5
IN-087	0.10 MM Btu/hr Machine/Value Shop Heater	LAC 33:III.501.B.5.A.5
IN-088	0.10 MM Btu/hr Machine/Value Shop Heater	LAC 33:III.501.B.5.A.5
IN-089	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-090	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-091	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-092	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-093	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-094	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-095	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-096	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-097	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-098	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-099	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-100	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-101	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-102	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-103	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-104	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-105	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-106	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-107	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-108	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-109	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-110	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-111	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-112	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-113	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-114	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-115	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-116	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-117	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-118	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-119	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-120	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-121	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-122	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-123	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-124	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-125	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-126	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-127	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-128	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-129	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-130	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-131	0.04 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-132	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-133	0.05 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-134	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-135	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-136	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-137	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-138	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-139	0.05 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-140	0.04 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-141	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-142	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-143	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-144	0.04 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-145	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-146	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-147	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-148	0.08 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-149	0.04 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-150	0.04 MM Btu/hr Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-151	0.08 MM Btu/hr Sheet Metal Shop Heater	LAC 33:III.501.B.5.A.5
IN-152	0.08 MM Btu/hr Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-153	0.08 MM Btu/hr Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-154	0.04 MM Btu/hr Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-155	0.04 MM Btu/hr Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-156	0.04 MM Btu/hr Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-157	0.10 MM Btu/hr Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-158	0.10 MM Btu/hr Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-159	0.10 MM Btu/hr Outside Maintenance Shop Heater	LAC 33:III.501.B.5.A.5
IN-160	0.04 MM Btu/hr Carpenter Shop Heater	LAC 33:III.501.B.5.A.5
IN-161	0.10 MM Btu/hr Carpenter Shop Heater	LAC 33:III.501.B.5.A.5
IN-162	0.10 MM Btu/hr Insulation Shop Heater	LAC 33:III.501.B.5.A.5

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-163	0.04 MM Btu/hr Insulation Shop Heater	LAC 33:III.501.B.5.A.5
IN-164	0.04 MM Btu/hr Carpenter Shop Heater	LAC 33:III.501.B.5.A.5
IN-165	0.04 MM Btu/hr Carpenter Shop Heater	LAC 33:III.501.B.5.A.5
IN-166	0.04 MM Btu/hr Carpenter Shop Heater	LAC 33:III.501.B.5.A.5
IN-167	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-168	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-169	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-170	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-171	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-172	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-173	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-174	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-175	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-176	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-177	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-178	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-179	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-180	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-181	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-182	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-183	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-184	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-185	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-186	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-187	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-188	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-189	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-190	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-191	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-192	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-193	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-194	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-195	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-196	0.08 MM Btu/hr Main Machine Shop Heater	LAC 33:III.501.B.5.A.5
IN-197	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-198	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-199	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-200	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-201	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-202	0.04 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-203	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-204	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-205	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-206	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-207	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-208	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-209	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-210	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-211	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-212	0.04 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-213	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-214	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-215	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-216	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-217	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-218	0.08 MM Btu/hr Main Pipe Shop Heater	LAC 33:III.501.B.5.A.5
IN-219	0.10 MM Btu/hr Pipe Shop No. 2 Heater	LAC 33:III.501.B.5.A.5
IN-220	0.10 MM Btu/hr Riggers Shop WD No. 1 Heater	LAC 33:III.501.B.5.A.5
IN-221	0.05 MM Btu/hr Riggers Shop WD No. 1 Heater	LAC 33:III.501.B.5.A.5
IN-222	0.04 MM Btu/hr Riggers Shop WD No. 1 Heater	LAC 33:III.501.B.5.A.5
IN-223	0.04 MM Btu/hr Riggers Shop WD No. 1 Heater	LAC 33:III.501.B.5.A.5
IN-224	0.10 MM Btu/hr Hose Shop WD No. 1 Heater	LAC 33:III.501.B.5.A.5

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-225	0.10 MM Btu/hr Tool Room No. 3 Heater	LAC 33:III.501.B.5.A.5
IN-226	0.10 MM Btu/hr Building 215 Heater	LAC 33:III.501.B.5.A.5
IN-227	0.10 MM Btu/hr Machinist Tool Room Heater	LAC 33:III.501.B.5.A.5
IN-228	0.10 MM Btu/hr Black-Smith Shop Heater	LAC 33:III.501.B.5.A.5
IN-229	0.10 MM Btu/hr Outside Machinist Shed Heater	LAC 33:III.501.B.5.A.5
IN-230	0.05 MM Btu/hr Hose Repair Shop Heater	LAC 33:III.501.B.5.A.5
IN-231	0.10 MM Btu/hr Tool Room No. 2 Heater	LAC 33:III.501.B.5.A.5
IN-232	0.10 MM Btu/hr Tool Room No. 11 Heater	LAC 33:III.501.B.5.A.5
IN-233	0.10 MM Btu/hr Outside Machinist Shop Heater	LAC 33:III.501.B.5.A.5
IN-234	0.10 MM Btu/hr Pipe Shop WD No. 3 Heater	LAC 33:III.501.B.5.A.5
IN-235	0.10 MM Btu/hr Pipe Shop WD No. 3 Heater	LAC 33:III.501.B.5.A.5
IN-236	0.11 MM Btu/hr Warehouse WD No. 3 Heater	LAC 33:III.501.B.5.A.5
IN-237	0.10 MM Btu/hr Tool Room No. 8 Heater	LAC 33:III.501.B.5.A.5
IN-238	0.10 MM Btu/hr Tool Room No. 17 Heater	LAC 33:III.501.B.5.A.5
IN-239	0.10 MM Btu/hr CDC WD No. 3 Heater	LAC 33:III.501.B.5.A.5
IN-240	0.08 MM Btu/hr Reach-Rod Shop WD No. 3	LAC 33:III.501.B.5.A.5
IN-241	0.08 MM Btu/hr Insulation Shop Heater	LAC 33:III.501.B.5.A.5
IN-242	0.08 MM Btu/hr Outside Machinist Shop Heater	LAC 33:III.501.B.5.A.5
IN-243	0.10 MM Btu/hr Tool Storage WD No. 4 Heater	LAC 33:III.501.B.5.A.5
IN-244	0.10 MM Btu/hr Repair Department Heater	LAC 33:III.501.B.5.A.5
IN-245	0.10 MM Btu/hr Rubber Lining Repair Shop	LAC 33:III.501.B.5.A.5
IN-246	0.10 MM Btu/hr Paint Dept. Repair Shop Heater	LAC 33:III.501.B.5.A.5
IN-247	0.10 MM Btu/hr Comp. Room No. 2 Heater	LAC 33:III.501.B.5.A.5
IN-248	0.10 MM Btu/hr Comp. Room No. 2 Heater	LAC 33:III.501.B.5.A.5
IN-249	0.10 MM Btu/hr T-Beam Shop Heater	LAC 33:III.501.B.5.A.5
IN-250	0.10 MM Btu/hr T-Beam Shop Heater	LAC 33:III.501.B.5.A.5
IN-251	0.10 MM Btu/hr Boiler Site Heater	LAC 33:III.501.B.5.A.5
IN-252	0.10 MM Btu/hr Boiler Site Heater	LAC 33:III.501.B.5.A.5
IN-253	0.10 MM Btu/hr Boiler Site Heater	LAC 33:III.501.B.5.A.5
IN-254	0.10 MM Btu/hr Boiler Site Heater	LAC 33:III.501.B.5.A.5
IN-255	0.10 MM Btu/hr Boiler Site Heater	LAC 33:III.501.B.5.A.5

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-256	0.10 MM Btu/hr Tool Room No. 7 Heater	LAC 33:III.501.B.5.A.5
IN-257	0.10 MM Btu/hr Plant No. 17 Heater	LAC 33:III.501.B.5.A.5
IN-258	0.10 MM Btu/hr Shothouse Heater	LAC 33:III.501.B.5.A.5
IN-259	0.10 MM Btu/hr Shothouse Heater	LAC 33:III.501.B.5.A.5
IN-260	0.10 MM Btu/hr Tool Room No. 10 Heater	LAC 33:III.501.B.5.A.5
IN-261	0.10 MM Btu/hr Tool Room No. 11 Heater	LAC 33:III.501.B.5.A.5
IN-262	0.10 MM Btu/hr Welding School Heater	LAC 33:III.501.B.5.A.5
IN-263	0.10 MM Btu/hr Welding School Heater	LAC 33:III.501.B.5.A.5
IN-264	0.10 MM Btu/hr Blast Area K Heater	LAC 33:III.501.B.5.A.5
IN-265	0.10 MM Btu/hr CDC Heater	LAC 33:III.501.B.5.A.5
IN-266	0.10 MM Btu/hr JLG Repair Shop Heater	LAC 33:III.501.B.5.A.5
IN-271	125 gallon Tower Crane Diesel Generator Fuel	LAC 33:III.501.B.5.A.3
IN-272	250 hp Drydock Emergency Diesel Generator	LAC 33:III.501.B.5.B.45
IN-273	3700 gallon Drydock Diesel Generator Fuel Tank	LAC 33:III.501.B.5.A.3
IN-274	150 gallon Drydock Diesel Generator Day Tank	LAC 33:III.501.B.5.A.3
IN-275	8000 gallon Drydock Generator Engine 1 Fuel	LAC 33:III.501.B.5.A.3
IN-276	8000 gallon Drydock Generator Engine 2 Fuel	LAC 33:III.501.B.5.A.3
IN-277	100 gallon Drydock Winch 1 Diesel Tank	LAC 33:III.501.B.5.A.3
IN-278	100 gallon Drydock Winch 2 Diesel Tank	LAC 33:III.501.B.5.A.3
IN-279	100 gallon Drydock Winch 3 Diesel Tank	LAC 33:III.501.B.5.A.3
IN-280	100 gallon Drydock Winch 4 Diesel Tank	LAC 33:III.501.B.5.A.3
IN-281	1000 gallon AVON Senior Generator Diesel Tank	LAC 33:III.501.B.5.A.3
IN-282	200 gallon Barge Pump Diesel Engine Fuel Tank	LAC 33:III.501.B.5.A.3
IN-283	175 kW Tower Crane Emergency Generator	LAC 33:III.501.B.5.B.45
IN-284	Yard Switch Engine	LAC 33:III.501.B.5.B.4
IN-285	175 hp Drydock Diesel Winch 1	LAC 33:III.501.B.5.A.1
IN-286	175 hp Drydock Diesel Winch 2	LAC 33:III.501.B.5.A.1
IN-287	175 hp Drydock Diesel Winch 3	LAC 33:III.501.B.5.A.1
IN-288	175 hp Drydock Diesel Winch 4	LAC 33:III.501.B.5.A.1
IN-289	50 hp Diesel Valve Test Unit	LAC 33:III.501.B.5.A.1
IN-289	50 hp Diesel Valve Test Unit	LAC 33:III.501.B.5.B.3

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

IN-290	5000 gallon Lube Oil Storage Tank No. 1	LAC 33:III.501.B.5.A.3
IN-291	5000 gallon Lube Oil Storage Tank No. 2	LAC 33:III.501.B.5.A.3
IN-292	500 gallon Plastic Tank No. 1	LAC 33:III.501.B.5.A.3
IN-293	500 gallon Plastic Tank No. 2	LAC 33:III.501.B.5.A.3
IN-294	10000 gallon Rail Car Storage Tank No. 1	LAC 33:III.501.B.5.A.3
IN-295	10000 gallon Rail Car Storage Tank No. 2	LAC 33:III.501.B.5.A.3
IN-296	1000 gallon Steel Tank No. 1	LAC 33:III.501.B.5.A.3
IN-297	1000 gallon Steel Tank No. 2	LAC 33:III.501.B.5.A.3
IN-298	1000 gallon Steel Tank No. 3	LAC 33:III.501.B.5.A.3
IN-299	1000 gallon Steel Tank No. 4	LAC 33:III.501.B.5.A.3
IN-300	8800 gallon Tanker Trailer Tank No. 1	LAC 33:III.501.B.5.A.3
IN-301	8800 gallon Tanker Trailer Tank No. 2	LAC 33:III.501.B.5.A.3
IN-302	8800 gallon Tanker Trailer Tank No. 3	LAC 33:III.501.B.5.A.3
IN-303	10000 gallon Wastewater Tank No. 1	LAC 33:III.501.B.5.A.3
IN-304	10000 gallon Wastewater Tank No. 2	LAC 33:III.501.B.5.A.3
IN-305	10000 gallon Wastewater Tank No. 3	LAC 33:III.501.B.5.A.3
IN-306	10000 gallon Wastewater Tank No. 4	LAC 33:III.501.B.5.A.3
IN-307	10000 gallon Wastewater Tank No. 5	LAC 33:III.501.B.5.A.3
IN-308	10000 gallon Wastewater Tank No. 6	LAC 33:III.501.B.5.A.3
IN-309	10000 gallon Portable Pressure Washer	LAC 33:III.501.B.5.B.3
IN-310	300 hp AVON Generator Diesel Engine	LAC 33:III.501.B.5.A.1
IN-311	Upper Building Ways Position Diesel Crane	LAC 33:III.501.B.5.B.4
IN-312	0.10 MM Btu/hr Space Heater	LAC 33:III.501.B.5.A.5
IN-313	0.10 MM Btu/hr Gas Heater	LAC 33:III.501.B.5.A.5
IN-314	0.25 MM Btu/hr Gas Fired Heater	LAC 33:III.501.B.5.A.5
IN-315	0.25 MM Btu/hr Gas Fired Heater	LAC 33:III.501.B.5.A.5
IN-316	0.25 MM Btu/hr Gas Fired Heater	LAC 33:III.501.B.5.A.5
IN-317	0.25 MM Btu/hr Space Heater (pipe test area)	LAC 33:III.501.B.5.A.5
IN-318	0.25 MM Btu/hr Gas Heater (scrap yard)	LAC 33:III.501.B.5.A.1
IN-319	Ultra Clean Washer	LAC 33:III.501.B.5.B.3
IN-320	Paint Can/Drum Crushing and Handling	LAC 33:III.501.B.5.B.2

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
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IN-321	300 gallon Norrison Flushing Tank	LAC 33:III.501.B.5.A.3
IN-322	Aerosol Can Puncturing and Handling	LAC 33:III.501.B.5.B.2
IN-323	Portable Diesel Welding Machines	LAC 33:III.501.B.5.B.3
IN-324	Maintenance Parts Washers	LAC 33:III.501.B.5.B.3
IN-325	650 gallon Portable Diesel Tank	LAC 33:III.501.B.5.B.44
IN-326	650 gallon Portable Diesel Tank	LAC 33:III.501.B.5.B.44
IN-327	650 gallon Portable Diesel Tank	LAC 33:III.501.B.5.B.44
IN-328	2500 gallon Portable Diesel Tank	LAC 33:III.501.B.5.B.44
IN-329	10000 gallon Diesel Storage Tank LY1	LAC 33:III.501.B.5.A.3
IN-330	500 gallon Diesel Storage Tank in AVONIII	LAC 33:III.501.B.5.A.3
IN-331	20 tons/yr Abrasive Blasting Training Activities	LAC 33:III.501.B.5.B.3
IN-332	Miscellaneous Facility Road Maintenance	LAC 33:III.501.B.5.B.3
IN-333	Portable Diesel Air Compressors	LAC 33:III.501.B.5.B.4
IN-334	Fugitives from Degreasers	LAC 33:III.501.B.5.B.3
IN-336	Compressor Condensate Holding Tank #1	LAC 33:III.501.B.5.A.3
IN-337	Compressor Condensate Holding Tank #2	LAC 33:III.501.B.5.A.3
IN-338	Compressor Condensate Holding Tank #3	LAC 33:III.501.B.5.A.3
IN-339	Compressor Condensate Holding Tank #4	LAC 33:III.501.B.5.A.3
IN-340	Shock Test (Bldg. 105) Natural Gas-fired Heater	LAC 33:III.501.B.5.A.5
IN-341	Paint Warehouse Natural Gas-fired Heater #1	LAC 33:III.501.B.5.A.5
IN-342	Paint Warehouse Natural Gas-fired Heater #2	LAC 33:III.501.B.5.A.5
IN-343	Maintenance Used Oil Tank #1	LAC 33:III.501.B.5.A.3
IN-344	Maintenance Used Oil Tank #2	LAC 33:III.501.B.5.A.3
IN-345	Contractor Diesel Tank #1	LAC 33:III.501.B.5.A.3
IN-346	Contractor Diesel Tank #2	LAC 33:III.501.B.5.A.3
IN-347	Contractor Diesel Tank #3	LAC 33:III.501.B.5.A.3
IN-348	Portable Slop Oil Tank (Fuel #2)	LAC 33:III.501.B.5.A.3
IN-349	Lube Oil Storage Drum #1	LAC 33:III.501.B.5.A.2
IN-350	Lube Oil Storage Drum #2	LAC 33:III.501.B.5.A.2
IN-351	Lube Oil Storage Drum #3	LAC 33:III.501.B.5.A.2
IN-352	Lube Oil Storage Drum #4	LAC 33:III.501.B.5.A.2

AIR PERMIT BRIEFING SHEET
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IN-353	Lube Oil Storage Drum #5	LAC 33:III.501.B.5.A.2
IN-354	Lube Oil Storage Drum #6	LAC 33:III.501.B.5.A.2
IN-355	Emergency Generator Diesel Fuel Tank	LAC 33:III.501.B.5.A.3
IN-356	Old Shothouse (Bldg. 827) Dehumidifier #1	LAC 33:III.501.B.5.A.1
IN-357	Old Shothouse (Bldg. 827) Dehumidifier #2	LAC 33:III.501.B.5.A.1
IN-358	Old Shothouse (Bldg. 827) Dehumidifier #3	LAC 33:III.501.B.5.A.1
IN-359	Old Shothouse (Bldg. 827) Dehumidifier #4	LAC 33:III.501.B.5.A.1
IN-360	Old Shothouse (Bldg. 827) Dehumidifier #5	LAC 33:III.501.B.5.A.1
IN-361	Old Shothouse (Bldg. 827) Dehumidifier #6	LAC 33:III.501.B.5.A.1
IN-A1-1	Triton John Deere 135 kW generator	LAC 33:III.501.B.5.A.1
IN-A3-1	Contractor-owned Diesel Tank	LAC 33:III.501.B.5.A.3
IN-A5-1	Portable Diesel-fired vac pump 1	LAC 33:III.501.B.5.A.5
IN-A5-2	Portable Diesel-fired vac pump 2	LAC 33:III.501.B.5.A.5
IN-A5-3	Portable Diesel-fired vac pump 3	LAC 33:III.501.B.5.A.5
IN-A5-4	Portable Diesel-fired vac pump 4	LAC 33:III.501.B.5.A.5
IN-A5-5	Portable Diesel-fired vac pump 5	LAC 33:III.501.B.5.A.5
IN-A5-6	Portable Diesel-fired vac pump 6	LAC 33:III.501.B.5.A.5
IN-D1	Econoline 42 x 24 Super FT Blast Cabinet 1	LAC 33:III.501.B.5.D
IN-D2	Econoline 42 x 24 Super FT Blast Cabinet 2	LAC 33:III.501.B.5.D

Any replacement of an engine in the insignificant activities list by a new engine that is subject to either NSPS IIII or JJJJ will require a permit modification and a removal of the engine from the insignificant activities list.

Exemptions based on LAC 33:III.501.B.5.D for rental engines are granted on the basis that the rental equipment is not subject to the New Source Performance Standard, 40 CFR 60 Subpart IIII or JJJJ. In accordance with 40 CFR 1068.31(e), a nonroad engine ceases to be a nonroad engine and becomes a stationary engine if it is portable or transportable and it is used or will be used in a single specific location at the facility for 12 months or longer.

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
UNF1	Avondale Operations	1		1	1	1						1			1	1	1		1	3
ARE1	056 - Outdoor Blasting					1														
ARE2	057 – Outdoor Painting					1							3		1		1			
EQT 1	007 - Stress Relief Furnace (Bldg. 214)				1	1	3													
EQT 2	008 - Angle/Plate Furnace (Bldg 214)				1	1	3													
EQT 4	017 - Plate Shop Blast Plant Pre-Dry Oven (Bldg. 908)				1	1	3													
EQT 6	019 - Plate Shop Blast Plant Final-Dry Oven (Bldg. 908)				1	1	3													
EQT 7	022A - Portable Boiler				1	1	3													
EQT10	022G - Portable Boiler				1	1	3													
EQT11	022H - Portable Boiler				1	1	3													
EQT12	024 - Shot Blast Tumble Unit Dust Collector					1														
EQT15	036 - Structural Blast Plant Final Dry Oven (Bldg. 809)				1	1	3													
EQT16	037 - Steel Shot Panel Line Edge Blaster Dust Collector					1														

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT17	041 - Carpentry Shop Dust Collector (Bldg. 110)					1														
EQT21	050D - Gasoline Storage Tank No. 2							1									1			
EQT22	050E - Gasoline Storage Tank No. 4							1									1			
EQT24	053 - Pipe Shop Dust Collector (Bldg. 118)					1														
EQT27	066A - Plate Shop Blast Building Vacuum Producer					1														
EQT33	073A - Portable Dust Collector A					1														
EQT34	073B - Portable Dust Collector B					1														
EQT37	078A - Portable Vacuum Trailer 1					1														
EQT38	078B - Portable Vacuum Trailer 2					1														
EQT39	078C - Portable Vacuum Trailer 3					1														
EQT40	078D - Portable Vacuum Trailer 4					1														
EQT41	078E - Portable Vacuum Trailer 5					1														
EQT42	078F - Portable Vacuum Trailer 6					1														
EQT43	078G - Portable Vacuum Trailer 7					1														
EQT44	078H - Portable Vacuum Trailer 8					1														
EQT45	080 - T-Beam Blaster Dust Collector					1														
EQT46	082 - Forging Furnace (Bldg. 214)				1	1	3													

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT47	085A - Paint Room Heater				1	1	3													
EQT48	085B - Paint Room Heater				1	1	3													
EQT49	085C - Paint Room Heater				1	1	3													
EQT55	088 - Deck Blaster Dust Collector					1														
EQT56	089 - Deck Blaster Dust Collector					1														
EQT57	090 - Deck Blaster Dust Collector					1														
EQT58	091 - Versablast Dust Collector					1														
EQT59	092 - Versablast Dust Collector					1														
EQT60	093 - Versablast Dust Collector					1														
EQT61	094 - Versablast Dust Collector					1														
EQT62	095A - Cooling Tower No. 1																			
EQT63	095B - Cooling Tower No. 2																			
EQT64	095C - Cooling Tower No. 3																			
EQT65	095D - Cooling Tower No. 4																			
EQT66	096A – Portable Dust Collector 1					1														
EQT70	096E - Portable Dust Collector 5					1														
EQT71	096F - Portable Dust Collector 6					1														
EQT72	096G - Portable Dust Collector 7					1														
EQT73	096H - Portable Dust Collector 8					1														

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT74	096I - Portable Dust Collector 9					1														
EQT75	096J - Portable Dust Collector 10					1														
EQT76	098 - Diesel Loading																1			
EQT77	099 - Sheet Metal Burning Table No. 1 (Bldg. 109)				1												1			
EQT78	100 - Sheet Metal Burning Table No. 2 (Bldg. 109)				1												1			
EQT79	101 - Onsite Training School Burning and Cutting				1												1			
EQT80	103 - Welding Blowdown Dust Collector (Bldg. 711)					1														
EQT81	104 - Package Blasting Unit					1														
EQT88	112A - Diesel Water Blast Rig				1	1	3													
EQT89	112B - Diesel Water Blaster No. 1				1	1	3													
EQT90	112C - Diesel Water Blaster No. 2				1	1	3													
EQT91	112D - Diesel Water Blaster No. 3				1	1	3													
EQT92	112E - Diesel Water Blaster No. 4				1	1	3													
EQT93	1-94 - Dry Dock Diesel Engine				1	1	3													
EQT94	2-94 - Dry Dock Diesel Engine				1	1	3													
EQT98	GF9 - Water Heater				1	1	3													

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT99	GF23 - ASI 5141 Deck Storage Tank																			
EQT100	GF24 - ASI 5141 Diesel Engine				1	1	3													
EQT101	GF39 - ASI 2483 Diesel Engine				1	1	3													
EQT102	GF48 - ASI 5389 Diesel Engine				1	1	3													
EQT103	GF49 - "Pollution Barge" Loading/Unloading																1			
EQT104	GF50 - Barge and Ship Tank Vent for Cleaning																1			
EQT105	GF51 - Product Loading/Unloading for Storage/Sale																1			
EQT106	GF52 - Pollution Barge No. 1-1S																1			
EQT107	GF53 - Pollution Barge No. 1-1P																1			
EQT108	GF54 - Pollution Barge No. 5-1S																1			
EQT109	GF55 - Pollution Barge No. 5-1P																1			
EQT110	GF56 - Tank Truck Loading																1			
EQT115	096B – Portable Dust Collector 2					1														
EQT116	096C - Portable Dust Collector 3					1														
EQT117	096D - Portable Dust Collector 4					1														
EQT124	018A - Plate Shop Blast Plant Dust Collector A					1														

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT125	018B - Plate Shop Blast Plant Dust Collector B					1														
EQT126	018C - Plate Shop Blast Plant Dust Collector C					1														
EQT127	032A - Structural Blast Plant Dust Collector A					1														
EQT128	032B - Structural Blast Plant Dust Collector B					1														
EQT131	045A - Blast Room Shot Reclaimer Dust Collector A					1														
EQT132	045B - Blast Room Shot Reclaimer Dust Collector B					1														
EQT133	046A - Blast and Clean Room Dust Collector A					1														
EQT134	046B - Blast and Clean Room Dust Collector B					1														
EQT135	046C - Blast and Clean Room Dust Collector C					1														
EQT136	046D - Blast and Clean Room Dust Collector D					1														
EQT137	046E - Blast and Clean Room Dust Collector E					1														

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ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT138	046F - Blast and Clean Room Dust Collector F					1														
EQT139	046G - Blast and Clean Room Dust Collector G					1														
EQT140	046H - Blast and Clean Room Dust Collector H					1														
EQT149	087A1 - New Shot House Dust Collector A1					1														
EQT150	087A2 - New Shot House Dust Collector A2					1														
EQT151	087B1 - New Shot House Dust Collector B1					1														
EQT152	087B2 - New Shot House Dust Collector B2					1														
EQT153	087E - New Shot House Dust Collector E					1														
EQT154	GF10 - ASI 5177 Heating, Aeration & Bacteria Tank 2S							3									1			
EQT155	GF11 - ASI 5177 Clarifier Bulkheads Aeration & Bacteria Tank 2P							3									1			
EQT156	GF12 - ASI 5177 Heating, Aeration & Bacteria Tank 3S							3									1			

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ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT157	GF13 - ASI 5177 Heating, Aeration & Bacteria Tank 3P							3									1			
EQT158	GF25 - ASI 5177 Heating & Aeration Tank 1S							3									1			
EQT159	GF26 - ASI 5177 Heating, Aeration & Bacteria Tank 1P							3									1			
EQT160	GF15 - ASI 5141 Storage Tank 1S							3									1			
EQT161	GF16 - ASI 5141 Storage Tank 1P							3									1			
EQT164	GF19 - ASI 5141 Separation & Sedimentation Tank 3S							3									1			
EQT165	GF20 - ASI 5141 Separation & Sedimentation Tank 3P							3									1			
EQT166	GF21 - ASI 5141 Separation Tank 4S							3									1			
EQT167	GF31 - ASI 2483 Storage/Oily Water Separation Tank 1S							3									1			
EQT168	GF32 - ASI 2483 Storage/Oily Water Separation Tank 1P							3									1			
EQT169	GF33 - ASI 2483 Storage/Oily Water Separation Tank 2S							3									1			
EQT170	GF34 - ASI 2483 Storage/Oily Water Separation Tank 2P							3									1			

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ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT171	GF35 - ASI 2483 Storage/Oily Water Separation Tank 3S							3									1			
EQT172	GF36 - ASI 2483 Storage/Oily Water Separation Tank 3P							3									1			
EQT173	GF37 - ASI 2483 Storage/Oily Water Separation Tank 4S							3									1			
EQT174	GF38 - ASI 2483 Storage/Oily Water Separation Tank 4P							3									1			
EQT175	GF40 - ASI 5389 Storage/Oily Water Separation Tank 1S							3									1			
EQT176	GF41 - ASI 5389 Storage/Oily Water Separation Tank 1P							3									1			
EQT177	GF44 - ASI 5389 Storage/Oily Water Separation Tank 3S							3									1			
EQT178	GF45 - ASI 5389 Storage/Oily Water Separation Tank 3P							3									1			
EQT179	GF46 - ASI 5389 Storage/Oily Water Separation Tank 4S							3									1			
EQT180	GF47 - ASI 5389 Storage/Oily Water Separation Tank 4P							3									1			
EQT183	031D - Plate Shop Blast Plant Paint Booth Dust Collector (Bldg. 908)																1			

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ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT185	035D - Structural Blast Plant Paint Booth Dust Collector (Bldg. 809)																1			
EQT187	049 - Paint Room Exhaust (Bldg. 827)																			
EQT188	054 - Pipe Shop Paint Booth (Bldg. 118)					1							3		1		1			
EQT189	New Shot House Painting Exhaust Vents (Bldg. 319)																			
EQT190	087F1 - New Shot House Abrasive Reclamation Dust Collector #1					1														
EQT191	087F2 - New Shot House Abrasive Reclamation Dust Collector #2					1														
EQT192	117 - Crane Movement Diesel Generator				1	1	3													
EQT193	064A - Oxyfuel Burning and Cutting Machine 1				1												1			
EQT194	064B - Oxyfuel Burning and Cutting Machine 2				1												1			
EQT195	064C - Oxyfuel Burning and Cutting Machine 3				1												1			
EQT196	064D - Oxyfuel Burning and Cutting Machine 4				1												1			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
EQT197	064E - Oxyfuel Burning and Cutting Machine 5				1												1			
EQT198	064F - Oxyfuel Burning and Cutting Machine 6				1												1			
EQT199	064G - Oxyfuel Burning and Cutting Machine 7				1												1			
EQT200	GF17 - ASI 5141 Storage Tank 2S																			
EQT201	GF18 - ASI 5141 Storage Tank 2P																			
EQT202	GF22 - ASI 5141 Storage Tank 4P																			
EQT203	GF42 - ASI 5389 Storage/Oily Water Separation Tank 2S																1			
EQT204	GF43 - ASI 5389 Storage/Oily Water Separation Tank 2P																			
EQT205	068A - Plasma Burning Machine 1 Dust Collector A																1			
EQT206	069A - Plasma Burning Machine 2 Dust Collector A																1			
EQT207	070A - Plasma Burning Machine 3 Dust Collector A																1			
EQT208	072 - Plasma Splitter/Deflanger Dust Collector																1			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115		2123	29*	51*	53*	56	59*
EQT211	068B - Plasma Burning Machine 1 Dust Collector B																1			
EQT212	069B - Plasma Burning Machine 2 Dust Collector B																1			
EQT213	070B - Plasma Burning Machine 3 Dust Collector B																1			
EQT214	118A - Wet Plasma Burning Machine 1																			
EQT215	118B - Wet Plasma Burning Machine 2																			
FUG3	FSA - Fugitives From Spent Abrasive Loading					1														
FUG4	FCS - Carpentry Shop Fugitives From Hopper Unloading					1														
FUG5	FG - Fugitives From Glues, Cleaners, and Adhesives																1			
FUG6	FW - Fugitives From Welding					1											1			
FUG7	FFA - Fugitives From Fiber Glassing Activities																1			
FUG8	GF14 - Gas Free Plant Fugitive Emissions																1			
FUG9	FFR - Fugitives from Facility Roads					1														
RLP13	007A - Stress Relief Furnace Stack A				1	1	3													

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
RLP14	007B - Stress Relief Furnace Stack B				1	1	3													
RLP15	007C - Stress Relief Furnace Stack C				1	1	3													
RLP16	007D - Stress Relief Furnace Stack D				1	1	3													
RLP17	007E - Stress Relief Furnace Stack E				1	1	3													
RLP18	007F - Stress Relief Furnace Stack F				1	1	3													
RLP20	016 - Plate Shop Blast Plant - Exhaust Vent A (Bldg 908)					1														
RLP21	016 - Plate Shop Blast Plant - Exhaust Vent B (Bldg 908)					1											ô□			
RLP22	016 - Plate Shop Blast Plant - Exhaust Vent C (Bldg 908)					1														
RLP23	016 - Plate Shop Blast Plant - Exhaust Vent D (Bldg 908)					1														
RLP24	016 - Plate Shop Blast Plant - Exhaust Vent E (Bldg 908)					1														
RLP25	016 - Plate Shop Blast Plant - Exhaust Vent F (Bldg 908)					1														
RLP26	016 - Plate Shop Blast Plant - Exhaust Vent G (Bldg 908)					1														
RLP27	016 - Plate Shop Blast Plant - Exhaust Vent H (Bldg 908)					1														

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
RLP37	034 - Structural Blast Plant - Exhaust Vent A					1														
RLP38	034 - Structural Blast Plant - Exhaust Vent B					1														
RLP39	034 - Structural Blast Plant - Exhaust Vent C					1														
RLP40	034 - Structural Blast Plant - Exhaust Vent D					1														
RLP41	034 - Structural Blast Plant - Exhaust Vent E					1														
RLP67	070 - Burning Table Dust Collectors No. 3 A																1			
RLP68	070 - Burning Table Dust Collectors No. 3 B																1			
RLP136	068 - Burning Table Dust Collectors No. 1 A																1			
RLP137	068 - Burning Table Dust Collectors No. 1 B																1			
RLP138	069 - Burning Table Dust Collectors No. 2 A																1			
RLP139	069 - Burning Table Dust Collectors No. 2 B																1			

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Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	2103	2104*	2107	2111	2113	2115	2116	2123	29*	51*	53*	56	59*
RLP170	036A - Structural Blast Plant Final Dry Oven Stack A				1	1	3													
RLP171	036B - Structural Blast Plant Final Dry Oven Stack B				1	1	3													

* The regulations indicated above are State Only regulations.
▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
UNF1	Avondale Operations	1									1		1	1		1	2		3	1
ARE1	056 - Outdoor Blasting																			
ARE2	057 – Outdoor Painting										1					1				
EQT 1	007 - Stress Relief Furnace (Bldg. 214)																			
EQT 2	008 - Angle/Plate Furnace (Bldg 214)																			
EQT 4	017 - Plate Shop Blast Plant Pre-Dry Oven (Bldg. 908)																			
EQT 6	019 - Plate Shop Blast Plant Final-Dry Oven (Bldg. 908)																			
EQT 7	022A - Portable Boiler	1					1													
EQT10	022G - Portable Boiler	1					1													
EQT11	022H - Portable Boiler	1					1													
EQT12	024 - Shot Blast Tumble Unit Dust Collector																			
EQT15	036 - Structural Blast Plant Final Dry Oven (Bldg. 809)																			
EQT16	037 - Steel Shot Panel Line Edge Blaster Dust Collector																			
EQT17	041 - Carpentry Shop Dust Collector (Bldg. 110)																			

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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT21	050D - Gasoline Storage Tank No. 2																			
EQT22	050E - Gasoline Storage Tank No. 4																			
EQT24	053 - Pipe Shop Dust Collector (Bldg. 118)																			
EQT27	066A - Plate Shop Blast Building Vacuum Producer																			
EQT33	073A - Portable Dust Collector A																			
EQT34	073B - Portable Dust Collector B																			
EQT37	078A - Portable Vacuum Trailer 1																			
EQT38	078B - Portable Vacuum Trailer 2																			
EQT39	078C - Portable Vacuum Trailer 3																			
EQT40	078D - Portable Vacuum Trailer 4																			
EQT41	078E - Portable Vacuum Trailer 5																			
EQT42	078F - Portable Vacuum Trailer 6																			
EQT43	078G - Portable Vacuum Trailer 7																			
EQT44	078H - Portable Vacuum Trailer 8																			
EQT45	080 - T-Beam Blaster Dust Collector																			
EQT46	082 - Forging Furnace (Bldg. 214)																			

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Agency Interest No.: 593
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Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT47	085A - Paint Room Heater																			
EQT48	085B - Paint Room Heater																			
EQT49	085C - Paint Room Heater																			
EQT55	088 - Deck Blaster Dust Collector																			
EQT56	089 - Deck Blaster Dust Collector																			
EQT57	090 - Deck Blaster Dust Collector																			
EQT58	091 - Versablast Dust Collector																			
EQT59	092 - Versablast Dust Collector																			
EQT60	093 - Versablast Dust Collector																			
EQT61	094 - Versablast Dust Collector																			
EQT62	095A - Cooling Tower No. 1														3					
EQT63	095B - Cooling Tower No. 2														3					
EQT64	095C - Cooling Tower No. 3														3					
EQT65	095D - Cooling Tower No. 4														3					
EQT66	096A – Portable Dust Collector 1																			
EQT70	096E - Portable Dust Collector 5																			
EQT71	096F - Portable Dust Collector 6																			
EQT72	096G - Portable Dust Collector 7																			
EQT73	096H - Portable Dust Collector 8																			

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Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT74	096I - Portable Dust Collector 9																			
EQT75	096J - Portable Dust Collector 10																			
EQT76	098 - Diesel Loading																			
EQT77	099 - Sheet Metal Burning Table No. 1 (Bldg. 109)																			
EQT78	100 - Sheet Metal Burning Table No. 2 (Bldg. 109)																			
EQT79	101 - Onsite Training School Burning and Cutting																			
EQT80	103 - Welding Blowdown Dust Collector (Bldg. 711)																			
EQT81	104 - Package Blasting Unit																			
EQT88	112A - Diesel Water Blast Rig									3										
EQT89	112B - Diesel Water Blaster No. 1									3										
EQT90	112C - Diesel Water Blaster No. 2									3										
EQT91	112D - Diesel Water Blaster No. 3									3										
EQT92	112E - Diesel Water Blaster No. 4									3										
EQT93	1-94 - Dry Dock Diesel Engine									3										
EQT94	2-94 - Dry Dock Diesel Engine									3										
EQT98	GF9 - Water Heater																			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT99	GF23 - ASI 5141 Deck Storage Tank																			
EQT100	GF24 - ASI 5141 Diesel Engine									3										
EQT101	GF39 - ASI 2483 Diesel Engine									3										
EQT102	GF48 - ASI 5389 Diesel Engine									3										
EQT103	GF49 - "Pollution Barge" Loading/Unloading																			
EQT104	GF50 - Barge and Ship Tank Vent for Cleaning																			
EQT105	GF51 - Product Loading/Unloading for Storage/Sale																			
EQT106	GF52 - Pollution Barge No. 1-1S																			
EQT107	GF53 - Pollution Barge No. 1-1P																			
EQT108	GF54 - Pollution Barge No. 5-1S																			
EQT109	GF55 - Pollution Barge No. 5-1P																			
EQT110	GF56 - Tank Truck Loading																			
EQT115	096B – Portable Dust Collector 2																			
EQT116	096C - Portable Dust Collector 3																			
EQT117	096D - Portable Dust Collector 4																			
EQT124	018A - Plate Shop Blast Plant Dust Collector A																			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT125	018B - Plate Shop Blast Plant Dust Collector B																			
EQT126	018C - Plate Shop Blast Plant Dust Collector C																			
EQT127	032A - Structural Blast Plant Dust Collector A																			
EQT128	032B - Structural Blast Plant Dust Collector B																			
EQT131	045A - Blast Room Shot Reclaimer Dust Collector A																			
EQT132	045B - Blast Room Shot Reclaimer Dust Collector B																			
EQT133	046A - Blast and Clean Room Dust Collector A																			
EQT134	046B - Blast and Clean Room Dust Collector B																			
EQT135	046C - Blast and Clean Room Dust Collector C																			
EQT136	046D - Blast and Clean Room Dust Collector D																			
EQT137	046E - Blast and Clean Room Dust Collector E																			

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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT138	046F - Blast and Clean Room Dust Collector F																			
EQT139	046G - Blast and Clean Room Dust Collector G																			
EQT140	046H - Blast and Clean Room Dust Collector H																			
EQT149	087A1 - New Shot House Dust Collector A1																			
EQT150	087A2 - New Shot House Dust Collector A2																			
EQT151	087B1 - New Shot House Dust Collector B1																			
EQT152	087B2 - New Shot House Dust Collector B2																			
EQT153	087E - New Shot House Dust Collector E																			
EQT154	GF10 - ASI 5177 Heating, Aeration & Bacteria Tank 2S				3															
EQT155	GF11 - ASI 5177 Clarifier Bulkheads, Aeration & Bacteria Tank 2P				3															
EQT156	GF12 - ASI 5177 Heating, Aeration & Bacteria Tank 3S				3															

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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT157	GF13 - ASI 5177 Heating, Aeration & Bacteria Tank 3P				3															
EQT158	GF25 - ASI 5177 Heating & Aeration Tank 1S				3															
EQT159	GF26 - ASI 5177 Heating, Aeration & Bacteria Tank 1P				3															
EQT160	GF15 - ASI 5141 Storage Tank 1S				3															
EQT161	GF16 - ASI 5141 Storage Tank 1P				3															
EQT164	GF19 - ASI 5141 Separation & Sedimentation Tank 3S				3															
EQT165	GF20 - ASI 5141 Separation & Sedimentation Tank 3P				3															
EQT166	GF21 - ASI 5141 Separation Tank 4S				3															
EQT167	GF31 - ASI 2483 Storage/Oily Water Separation Tank 1S				3															
EQT168	GF32 - ASI 2483 Storage/Oily Water Separation Tank 1P				3															
EQT169	GF33 - ASI 2483 Storage/Oily Water Separation Tank 2S				3															
EQT170	GF34 - ASI 2483 Storage/Oily Water Separation Tank 2P				3															

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Northrop Grumman Ship Systems Inc
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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT171	GF35 - ASI 2483 Storage/Oily Water Separation Tank 3S				3															
EQT172	GF36 - ASI 2483 Storage/Oily Water Separation Tank 3P				3															
EQT173	GF37 - ASI 2483 Storage/Oily Water Separation Tank 4S				3															
EQT174	GF38 - ASI 2483 Storage/Oily Water Separation Tank 4P				3															
EQT175	GF40 - ASI 5389 Storage/Oily Water Separation Tank 1S				3															
EQT176	GF41 - ASI 5389 Storage/Oily Water Separation Tank 1P				3															
EQT177	GF44 - ASI 5389 Storage/Oily Water Separation Tank 3S				3															
EQT178	GF45 - ASI 5389 Storage/Oily Water Separation Tank 3P				3															
EQT179	GF46 - ASI 5389 Storage/Oily Water Separation Tank 4S				3															
EQT180	GF47 - ASI 5389 Storage/Oily Water Separation Tank 4P				3															
EQT183	031D - Plate Shop Blast Plant Paint Booth Dust Collector (Bldg. 908)																			

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Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT185	035D - Structural Blast Plant Paint Booth Dust Collector (Bldg. 809)																			
EQT187	049 - Paint Room Exhaust (Bldg. 827)																			
EQT188	054 - Pipe Shop Paint Booth (Bldg. 118)															1				
EQT189	097 - New Shot House Painting Exhaust Vents (Bldg. 319)																			
EQT190	087F1 - New Shot House Abrasive Reclamation Dust Collector #1																			
EQT191	087F2 - New Shot House Abrasive Reclamation Dust Collector #2																			
EQT192	117 - Crane Movement Diesel Generator																			
EQT193	064A - Oxyfuel Burning and Cutting Machine 1																			
EQT194	064B - Oxyfuel Burning and Cutting Machine 2																			
EQT195	064C - Oxyfuel Burning and Cutting Machine 3																			
EQT196	064D - Oxyfuel Burning and Cutting Machine 4																			
EQT197	064E - Oxyfuel Burning and Cutting Machine 5																			

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Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT198	064F - Oxyfuel Burning and Cutting Machine 6																			
EQT199	064G - Oxyfuel Burning and Cutting Machine 7																			
EQT200	GF17 - ASI 5141 Storage Tank 2S																			
EQT201	GF18 - ASI 5141 Storage Tank 2P																			
EQT202	GF22 - ASI 5141 Storage Tank 4P																			
EQT203	GF42 - ASI 5389 Storage/Oily Water Separation Tank 2S																			
EQT204	GF43 - ASI 5389 Storage/Oily Water Separation Tank 2P																			
EQT205	068A - Plasma Burning Machine 1 Dust Collector A																			
EQT206	069A - Plasma Burning Machine 2 Dust Collector A																			
EQT207	070A - Plasma Burning Machine 3 Dust Collector A																			
EQT208	072 - Plasma Splitter/Deflanger Dust Collector																			
EQT211	068B - Plasma Burning Machine 1 Dust Collector B																			

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
EQT212	069B - Plasma Burning Machine 2 Dust Collector B																			
EQT213	070B - Plasma Burning Machine 3 Dust Collector B																			
FUG3	FSA - Fugitives From Spent Abrasive Loading																			
FUG4	FCS - Carpentry Shop Fugitives From Hopper Unloading																			
FUG5	FG - Fugitives From Glues, Cleaners, and Adhesives																			
FUG6	FW - Fugitives From Welding																			
FUG7	FFA - Fugitives From Fiber Glassing Activities																			
FUG8	GF14 - Gas Free Plant Fugitive Emissions																			
FUG9	FFR - Fugitives from Facility Roads																			
RLP13	007A - Stress Relief Furnace Stack A																			
RLP14	007B - Stress Relief Furnace Stack B																			
RLP15	007C - Stress Relief Furnace Stack C																			
RLP16	007D - Stress Relief Furnace Stack D																			
RLP17	007E - Stress Relief Furnace Stack E																			

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		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
RLP18	007F - Stress Relief Furnace Stack F																			
RLP20	016 - Plate Shop Blast Plant - Exhaust Vent A (Bldg 908)																			
RLP21	016 - Plate Shop Blast Plant - Exhaust Vent B (Bldg 908)																			
RLP22	016 - Plate Shop Blast Plant - Exhaust Vent C (Bldg 908)																			
RLP23	016 - Plate Shop Blast Plant - Exhaust Vent D (Bldg 908)																			
RLP24	016 - Plate Shop Blast Plant - Exhaust Vent E (Bldg 908)																			
RLP25	016 - Plate Shop Blast Plant - Exhaust Vent F (Bldg 908)																			
RLP26	016 - Plate Shop Blast Plant - Exhaust Vent G (Bldg 908)																			
RLP27	016 - Plate Shop Blast Plant - Exhaust Vent H (Bldg 908)																			
RLP37	034 - Structural Blast Plant - Exhaust Vent A																			
RLP38	034 - Structural Blast Plant - Exhaust Vent B																			

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Agency Interest No.: 593
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Avondale, Jefferson Parish, Louisiana

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ID No.:	Description	40 CFR 60 NSPS									40 CFR 61			40 CFR 63 NESHAP					40 CFR	
		A	K	Ka	Kb	Db	Dc	G	KKK	IIII	A	F	M	A	Q	II	GGGGG		68	82
RLP39	034 - Structural Blast Plant - Exhaust Vent C																			
RLP40	034 - Structural Blast Plant - Exhaust Vent D																			
RLP41	034 - Structural Blast Plant - Exhaust Vent E																			
RLP67	070 - Burning Table Dust Collectors No. 3 A																			
RLP68	070 - Burning Table Dust Collectors No. 3 B																			
RLP136	068 - Burning Table Dust Collectors No. 1 A																			
RLP137	068 - Burning Table Dust Collectors No. 1 B																			
RLP138	069 - Burning Table Dust Collectors No. 2 A																			
RLP139	069 - Burning Table Dust Collectors No. 2 B																			
RLP170	036A - Structural Blast Plant Final Dry Oven Stack A																			
RLP171	036B - Structural Blast Plant Final Dry Oven Stack B																			

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

KEY TO MATRIX

1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.

2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.

3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
UNF1 Avondale Operations	Chemical Accident Prevention and Minimization of Consequences [LAC 33:III.Chapter 59]	DOES NOT APPLY. Threshold quantities are not exceeded.
	NESHAP Subpart GGGGG – National Emission Standards for Hazardous Air Pollutants: Site Remediation [40 CFR 63.7880]	EXEMPT. Material to be removed contains <1 Mg/yr of HAP.
	Chemical Accident Prevention Provision [40 CFR 68]	DOES NOT APPLY. Threshold quantities are not exceeded.
007A, 007B, 007C, 007D, 007E, 007F, 008, 082 Furnaces	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 250 tons of SO_2 per year.
	Emission Standards for Sulfur Dioxide Continuous Emission Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO_2 per year.
017, 019, 036A, 036B, 042 Ovens	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 250 tons of SO_2 per year.
	Emission Standards for Sulfur Dioxide Continuous Emission Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO_2 per year.

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
022A, 022B, 022F, 022G, 022H Portable Boilers	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 250 tons of SO_2 per year.
	Emission Standards for Sulfur Dioxide Continuous Emission Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO_2 per year.
085A, 085B, 085C, 086A, 086B, 086C, 086D, GF9 Heaters	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 250 tons of SO_2 per year.
	Emission Standards for Sulfur Dioxide Continuous Emission Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO_2 per year.
099, 100 Burn Tables	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 250 tons of SO_2 per year.
	Emission Standards for Sulfur Dioxide Continuous Emission Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO_2 per year.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
112A, 112B, 112C, 112D, 112E, 117, 1-94, 2-94, GF24, GF39, GF48 Diesel Engines	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 250 tons of SO_2 per year.
	Emission Standards for Sulfur Dioxide Continuous Emission Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO_2 per year.
	Standards of Performance for Stationary CI ICE [40 CFR 60 Subpart IIII]	EXEMPT. Engines constructed before 2006.
060, 101 Burning and Cutting	Emission Standards for Sulfur Dioxide [LAC 33:III.1503.C]	EXEMPT. Units emit less than 250 tons of SO_2 per year.
	Emission Standards for Sulfur Dioxide Continuous Emission Monitoring [LAC 33:III.1511.A]	EXEMPT. Units emit less than 100 tons of SO_2 per year.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
095A, 095B, 095C, 095D Cooling Towers	NESHAP Subpart Q – Standards for Industrial Process Cooling Towers [40 CFR 63.400]	DOES NOT APPLY. No chromium-based water treatment chemicals are used.
RLP 20, RLP 21, RLP 22, RLP 23, RLP24, RLP 25, RLP 26, RLP 27, RLP 37, RLP 38, RLP 39, RLP 40, RLP 41, 057, 054, 031D, 035D, 049, 097 Painting Operations	Vapor Degreasers [LAC 33:III.2125]	DOES NOT APPLY. No open top vapor degreasers are used for cleaning painting equipment.
	Shipbuilding & Ship Repair Facilities and Outdoor Surface Coating of Large Structures (MACT Determination, November 13, 1995)	EXEMPT. 40 CFR 63 Subpart II and LAC 33.III.2103 are more stringent.
	Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. 40 CFR 63 Subpart II and LAC 33.III.2123.C are more stringent.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
024, 037, 053, 080, 088, 089, 090, 091, 092, 093, 094,103, 018A, 018B, 018C, 032A, 032B, 045A, 045B, 046A, 046B, 046C, 046D, 046E, 046F, 046G, 046H, 087A1, 087A2, 087B1, 087B2, 087E, 066A, 078A, 078B, 078C, 078D, 078E, 078F, 078G, 078H, 073A, 073B, 096A, 096E, 096F, 096G, 096H, 096I, 096J, 104, 096B, 096C, 096D, 041, 087F1, 087F2 Dust Collectors	Emission Standards for Particulate Matter [LAC 33:III.1311.C]	EXEMPT. Emissions less than that allowed by the process weight rate limitation (LAC 33:III.1321, Table 3) shall be maintained in lieu of the opacity limits. [LAC 33:III.1311.E]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Northrop Grumman Shipbuilding, Inc. – Gulf Coast – Avondale Facility
Agency Interest No.: 593
Northrop Grumman Ship Systems Inc
Avondale, Jefferson Parish, Louisiana

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
EQT 0043	078G - Portable Vacuum Trailer 7 - Portable Vacuum Trailer 7		1 tons/hr	1 tons/hr		7200 hr/yr
EQT 0044	078H - Portable Vacuum Trailer 8 - Portable Vacuum Trailer 8		1 tons/hr	1 tons/hr		7200 hr/yr
EQT 0045	080 - T-Beam Blaster Dust Collector - T-Beam Blaster Dust Collector		7500 ft^3/min	7500 ft^3/min		5000 hr/yr
EQT 0046	082 - Forging Furnace (Bldg. 214) - Forging Furnace (Bldg. 214)		4 MM BTU/hr	4 MM BTU/hr		2920 hr/yr
EQT 0047	085A - Paint Room Heater - Paint Room Heater		4.5 MM BTU/hr	4.5 MM BTU/hr		4000 hr/yr
EQT 0048	085B - Paint Room Heater - Paint Room Heater		4.5 MM BTU/hr	4.5 MM BTU/hr		4000 hr/yr
EQT 0049	085C - Paint Room Heater - Paint Room Heater		4.5 MM BTU/hr	4.5 MM BTU/hr		4000 hr/yr
EQT 0055	088 - Deck Blaster Dust Collector - Deck Blaster Dust Collector		14400 lb/hr	14400 lb/hr		2080 hr/yr
EQT 0056	089 - Deck Blaster Dust Collector - Deck Blaster Dust Collector		14400 lb/hr	14400 lb/hr		2080 hr/yr
EQT 0057	090 - Deck Blaster Dust Collector - Deck Blaster Dust Collector		14400 lb/hr	14400 lb/hr		2080 hr/yr
EQT 0058	091 - Versablast Dust Collector - Versablast Dust Collector		41640 lb/hr	41640 lb/hr		2080 hr/yr
EQT 0059	092 - Versablast Dust Collector - Versablast Dust Collector		41640 lb/hr	41640 lb/hr		2080 hr/yr
EQT 0060	093 - Versablast Dust Collector - Versablast Dust Collector		41640 lb/hr	41640 lb/hr		2080 hr/yr
EQT 0061	094 - Versablast Dust Collector - Versablast Dust Collector		41640 lb/hr	41640 lb/hr		2080 hr/yr
EQT 0062	095A - Cooling Tower No. 1 - Cooling Tower No. 1		1500 gallons/min	1500 gallons/min		8760 hr/yr
EQT 0063	095B - Cooling Tower No. 2 - Cooling Tower No. 2		1500 gallons/min	1500 gallons/min		8760 hr/yr
EQT 0064	095C - Cooling Tower No. 3 - Cooling Tower No. 3		1500 gallons/min	1500 gallons/min		8760 hr/yr
EQT 0065	095D - Cooling Tower No. 4 - Cooling Tower No. 4		1500 gallons/min	1500 gallons/min		8760 hr/yr
EQT 0066	096A - Portable Dust Collector 1 - Portable Dust Collector 1		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0070	096E - Portable Dust Collector 5 - Portable Dust Collector 5		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0071	096F - Portable Dust Collector 6 - Portable Dust Collector 6		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0072	096G - Portable Dust Collector 7 - Portable Dust Collector 7		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0073	096H - Portable Dust Collector 8 - Portable Dust Collector 8		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0074	096I - Portable Dust Collector 9 - Portable Dust Collector 9		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0075	096J - Portable Dust Collector 10 - Portable Dust Collector 10		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0076	098 - Diesel Loading - Diesel Loading		936000 gallons/yr	936000 gallons/yr		8760 hr/yr
EQT 0077	099 - Sheet Metal Burning Table No. 1 (Bldg. 109) - Sheet Metal Burning Table No. 1 (Bldg. 109)		72000 (other units)	72000 (other units)	Other units are linear feet of plate cut per year.	4000 hr/yr
EQT 0078	100 - Sheet Metal Burning Table No. 2 (Bldg. 109) - Sheet Metal Burning Table No. 2 (Bldg. 109)		72000 (other units)	72000 (other units)	Other units are linear feet of plate cut per year.	4000 hr/yr
EQT 0079	101- Onsite Training School Burning and Cutting - Onsite Training School Burning and Cutting		5200000 (other units)	5200000 (other units)	Other units are linear feet of plate cut per year.	4000 hr/yr
EQT 0080	103 - Welding Blowdown Dust Collector (Bldg. 711) - Welding Blowdown Dust Collector (Bldg. 711)		.99 lb/hr	.99 lb/hr		2920 hr/yr

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
EQT 0081	104 - Package Blasting Unit - Package Blasting Unit		354 lb/hr	354 lb/hr		2600 hr/yr
EQT 0088	112A - Diesel Water Blast Rig - Diesel Water Blast Rig		165 horsepower	165 horsepower		1000 hr/yr
EQT 0089	112B - Diesel Water Blaster No. 1 - Diesel Water Blaster No. 1		165 horsepower	165 horsepower		1000 hr/yr
EQT 0090	112C - Diesel Water Blaster No. 2 - Diesel Water Blaster No. 2		165 horsepower	165 horsepower		1000 hr/yr
EQT 0091	112D - Diesel Water Blaster No. 3 - Diesel Water Blaster No. 3		165 horsepower	165 horsepower		1000 hr/yr
EQT 0092	112E - Diesel Water Blaster No. 4 - Diesel Water Blaster No. 4		165 horsepower	165 horsepower		1000 hr/yr
EQT 0093	1-94 - Dry Dock Diesel Engine - Dry Dock Diesel Engine		1540 horsepower	1540 horsepower		500 hr/yr
EQT 0094	2-94 - Dry Dock Diesel Engine - Dry Dock Diesel Engine		1540 horsepower	1540 horsepower		500 hr/yr
EQT 0098	GF9 - Water Heater - Water Heater		27 MM BTU/hr	27 MM BTU/hr		4160 hr/yr
EQT 0099	GF23 - ASI 5141 Deck Storage Tank - ASI 5141 Deck Storage Tank			28398 gallons/yr		4160 hr/yr
EQT 0100	GF24 - ASI 5141 Diesel Engine - ASI 5141 Diesel Engine		210 horsepower	210 horsepower		4160 hr/yr
EQT 0101	GF39 - ASI 2483 Diesel Engine - ASI 2483 Diesel Engine		170 horsepower	170 horsepower		4160 hr/yr
EQT 0102	GF48 - ASI 5389 Diesel Engine - ASI 5389 Diesel Engine		170 horsepower	170 horsepower		4160 hr/yr
EQT 0103	GF49 - "Pollution Barge" Loading/Unloading - "Pollution Barge" Loading/Unloading		5200.3 MM gallons/yr	5200.3 MM gallons/yr		8760 hr/yr
EQT 0104	GF50 - Barge and Ship Tank Vent for Cleaning - Barge and Ship Tank Vent for Cleaning					4160 hr/yr
EQT 0105	GF51 - Product Loading/Unloading for Storage/Sale - Product Loading/Unloading for Storage/Sale		1438.1 MM gallons/yr	1438.1 MM gallons/yr		8760 hr/yr
EQT 0106	GF52 - Pollution Barge No. 1-1S - Pollution Barge No. 1-1S			641840 gallons/yr		8760 hr/yr
EQT 0107	GF53 - Pollution Barge No. 1-1P - Pollution Barge No. 1-1P			641840 gallons/yr		8760 hr/yr
EQT 0108	GF54 - Pollution Barge No. 5-1S - Pollution Barge No. 5-1S			658240 gallons/yr		8760 hr/yr
EQT 0109	GF55 - Pollution Barge No. 5-1P - Pollution Barge No. 5-1P			658240 gallons/yr		8760 hr/yr
EQT 0110	GF56 - Tank Truck Loading - Tank Truck Loading		1950 MM gallons/yr	1950 MM gallons/yr		8760 hr/yr
EQT 0115	096B - Portable Dust Collector 2 - Portable Dust Collector 2		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0116	096C - Portable Dust Collector 3 - Portable Dust Collector 3		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0117	096D - Portable Dust Collector 4 - Portable Dust Collector 4		20000 ft^3/min (actual)	20000 ft^3/min (actual)		4992 hr/yr
EQT 0124	018A - Plate Shop Blast Plant Dust Collector A - Plate Shop Blast Plant Dust Collector A		10000 ft^3/min (actual)	10000 ft^3/min (actual)		2600 hr/yr
EQT 0125	018B - Plate Shop Blast Plant Dust Collector B - Plate Shop Blast Plant Dust Collector B		10000 ft^3/min (actual)	10000 ft^3/min (actual)		2600 hr/yr
EQT 0126	018C - Plate Shop Blast Plant Dust Collector C - Plate Shop Blast Plant Dust Collector C		10000 ft^3/min (actual)	10000 ft^3/min (actual)		2600 hr/yr
EQT 0127	032A - Structural Blast Plant Dust Collector A - Structural Blast Plant Dust Collector A		12000 ft^3/min (actual)	12000 ft^3/min (actual)		2600 hr/yr
EQT 0128	032B - Structural Blast Plant Dust Collector B - Structural Blast Plant Dust Collector B		12000 ft^3/min (actual)	12000 ft^3/min (actual)		2600 hr/yr

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
EQT 0131	045A - Blast Room Shot Reclaimer Dust Collector A - Blast Room Shot Reclaimer Dust Collector A		36000 lb/hr	26280 tons/yr		4992 hr/yr
EQT 0132	045B - Blast Room Shot Reclaimer Dust Collector B - Blast Room Shot Reclaimer Dust Collector B		36000 lb/hr	26280 tons/yr		4992 hr/yr
EQT 0133	046A - Blast and Clean Room Dust Collector A - Blast and Clean Room Dust Collector A		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0134	046B - Blast and Clean Room Dust Collector B - Blast and Clean Room Dust Collector B		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0135	046C - Blast and Clean Room Dust Collector C - Blast and Clean Room Dust Collector C		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0136	046D - Blast and Clean Room Dust Collector D - Blast and Clean Room Dust Collector D		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0137	046E - Blast and Clean Room Dust Collector E - Blast and Clean Room Dust Collector E		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0138	046F - Blast and Clean Room Dust Collector F - Blast and Clean Room Dust Collector F		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0139	046G - Blast and Clean Room Dust Collector G - Blast and Clean Room Dust Collector G		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0140	046H - Blast and Clean Room Dust Collector H - Blast and Clean Room Dust Collector H		25000 ft^3/min (actual)	25000 ft^3/min (actual)		4992 hr/yr
EQT 0149	087A1 - New Shot House Dust Collector A1 - New Shot House Dust Collector A1		3750 lb/hr			8760 hr/yr
EQT 0150	087A2 - New Shot House Dust Collector A2 - New Shot House Dust Collector A2		3750 lb/hr			8760 hr/yr
EQT 0151	087B1 - New Shot House Dust Collector B1 - New Shot House Dust Collector B1		3750 lb/hr			8760 hr/yr
EQT 0152	087B2 - New Shot House Dust Collector B2 - New Shot House Dust Collector B2		3750 lb/hr			8760 hr/yr
EQT 0153	087E - New Shot House Dust Collector E - New Shot House Dust Collector E		3750 lb/hr			8760 hr/yr
EQT 0154	GF10 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 2S			6000000 gallons/yr		8760 hr/yr
EQT 0155	GF11 - ASI 5177 Clarifier Bulkheads, Aeration & Ba - ASI 5177 Clarifier Bulkheads, Aeration & Bacteria Tank 2P			6000000 gallons/yr		8760 hr/yr
EQT 0156	GF12 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 3S			6000000 gallons/yr		8760 hr/yr
EQT 0157	GF13 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 3P			6000000 gallons/yr		8760 hr/yr
EQT 0158	GF25 - ASI 5177 Heating & Aeration Tank 1S - ASI 5177 Heating & Aeration Tank 1S			6000000 gallons/yr		8760 hr/yr
EQT 0159	GF26 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 1P			6000000 gallons/yr		8760 hr/yr
EQT 0160	GF15 - ASI 5141 Storage Tank 1S - ASI 5141 Storage Tank 1S			240781.2 gallons/yr		8760 hr/yr

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
EQT 0161	GF16 - ASI 5141 Storage Tank 1P - ASI 5141 Storage Tank 11P			240781.2 gallons/yr		8760 hr/yr
EQT 0164	GF19 - ASI 5141 Separation & Sedimentation Tank 3S - ASI 5141 Separation & Sedimentation Tank 3S			6000000 gallons/yr		8760 hr/yr
EQT 0165	GF20 - ASI 5141 Separation & Sedimentation Tank 3P - ASI 5141 Separation & Sedimentation Tank 3P			6000000 gallons/yr		8760 hr/yr
EQT 0166	GF21 - ASI 5141 Separation Tank 4S - ASI 5141 Separation Tank 4S			6000000 gallons/yr		8760 hr/yr
EQT 0167	GF31 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 1S			184834.7 gallons/yr		8760 hr/yr
EQT 0168	GF32 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 1P			184834.7 gallons/yr		8760 hr/yr
EQT 0169	GF33 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 2S			148769.4 gallons/yr		8760 hr/yr
EQT 0170	GF34 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 2P			148769.4 gallons/yr		8760 hr/yr
EQT 0171	GF35 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 3S			148769.4 gallons/yr		8760 hr/yr
EQT 0172	GF36 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 3P			148769.4 gallons/yr		8760 hr/yr
EQT 0173	GF37 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 4S			236678.6 gallons/yr		8760 hr/yr
EQT 0174	GF38 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 4P			236678.6 gallons/yr		8760 hr/yr
EQT 0175	GF40 - ASI 5389 Storage/Oily Water Separation Tan - ASI 5389 Storage/Oily Water Separation Tank 1S			316457.9 gallons/yr		8760 hr/yr
EQT 0176	GF41 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 1P			316457.9 gallons/yr		8760 hr/yr
EQT 0177	GF44 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 3S			316457.9 gallons/yr		8760 hr/yr
EQT 0178	GF45 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 3P			316457.9 gallons/yr		8760 hr/yr
EQT 0179	GF46 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 4S			316457.9 gallons/yr		8760 hr/yr
EQT 0180	GF47 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 4P			316457.9 gallons/yr		8760 hr/yr
EQT 0183	031D - Plate Shop Blast Plant Paint Booth Dust Col - Plate Shop Blast Plant Paint Booth Dust Collector (Bldg. 908)		25000 ft^3/min	25000 ft^3/min		8760 hr/yr
EQT 0185	035D - Structural Blast Plant Paint Booth Dust Col - Structural Blast Plant Paint Booth Dust Collector (Bldg. 809)		25000 ft^3/min	25000 ft^3/min		8760 hr/yr
EQT 0187	049 - Paint Room Exhaust (Bldg. 827) - Paint Room Exhaust (Bldg. 827)		50000 ft^3/min	50000 ft^3/min		8760 hr/yr
EQT 0188	054 - Pipe Shop Paint Booth (Bldg. 118) - Pipe Shop Paint Booth (Bldg. 118)		6474 ft^3/min	6474 ft^3/min		8760 hr/yr

INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
EQT 0189	097 - New Shot House Painting Exhaust Vents (Bldg. - New Shot House Painting Exhaust Vents (Bldg. 319)		880 lb/hr	880 lb/hr		8760 hr/yr
EQT 0190	087F1 - New Shot House Abrasive Reclamation Dust C - New Shot House Abrasive Reclamation Dust Collector #1		12.7 lb/hr			2000 hr/yr
EQT 0191	087F2 - New Shot House Abrasive Reclamation Dust C - New Shot House Abrasive Reclamation Dust Collector #2		12.7 lb/hr			2000 hr/yr
EQT 0192	117 - Crane Movement Diesel Generator - Crane Movement Diesel Generator		200 horsepower	200 horsepower		1000 hr/yr
EQT 0193	064A - Oxyfuel Burning and Cutting Machine 1 - Oxyfuel Burning and Cutting Machine 1		3606 ft^3/hr	3606 ft^3/hr		8760 hr/yr
EQT 0194	064B - Oxyfuel Burning and Cutting Machine 2 - Oxyfuel Burning and Cutting Machine 2		3606 ft^3/hr	3606 ft^3/hr		8760 hr/yr
EQT 0195	064C - Oxyfuel Burning and Cutting Machine 3 - Oxyfuel Burning and Cutting Machine 3		3606 ft^3/hr	3606 ft^3/hr		8760 hr/yr
EQT 0196	064D - Oxyfuel Burning and Cutting Machine 4 - Oxyfuel Burning and Cutting Machine 4		3606 ft^3/hr	3606 ft^3/hr		8760 hr/yr
EQT 0197	064E - Oxyfuel Burning and Cutting Machine 5 - Oxyfuel Burning and Cutting Machine 5		3606 ft^3/hr	3606 ft^3/hr		8760 hr/yr
EQT 0198	064F - Oxyfuel Burning and Cutting Machine 6 - Oxyfuel Burning and Cutting Machine 6		3606 ft^3/hr	3606 ft^3/hr		8760 hr/yr
EQT 0199	064G - Oxyfuel Burning and Cutting Machine 7 - Oxyfuel Burning and Cutting Machine 7		3606 ft^3/hr	3606 ft^3/hr		8760 hr/yr
EQT 0200	GF17 - ASI 5141 Storage Tank 2S - ASI 5141 Storage Tank 2S			160521 gallons/yr		8760 hr/yr
EQT 0201	GF18 - ASI 5141 Storage Tank 2P - ASI 5141 Storage Tank 2P			160521 gallons/yr		8760 hr/yr
EQT 0202	GF22 - ASI 5141 Storage Tank 4P - ASI 5141 Storage Tank 4P			160521 gallons/yr		8760 hr/yr
EQT 0203	GF42 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 2S			703240 gallons/yr		8760 hr/yr
EQT 0204	GF43 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 2P			703240 gallons/yr		8760 hr/yr
EQT 0205	068A - Plasma Burning Machine 1 Dust Collector A - Plasma Burning Machine 1 Dust Collector A		700000 (other units)	700000 (other units)	Other units are linear feet of plate cut per year.	5000 hr/yr
EQT 0206	069A - Plasma Burning Machine 2 Dust Collector A - Plasma Burning Machine 2 Dust Collector A		700000 (other units)	700000 (other units)	Other units are linear feet of plate cut per year.	5000 hr/yr
EQT 0207	070A - Plasma Burning Machine 3 Dust Collector A - Plasma Burning Machine 3 Dust Collector A		700000 (other units)	700000 (other units)	Other units are linear feet of plate cut per year.	5000 hr/yr
EQT 0208	072 - Plasma Splitter/Deflanger Dust Collector - Plasma Splitter/Deflanger Dust Collector					5000 hr/yr
EQT 0211	068B - Plasma Burning Machine 1 Dust Collector B - Plasma Burning Machine 1 Dust Collector B		700000 (other units)	700000 (other units)	Other units are linear feet of plate cut per year.	5000 hr/yr
EQT 0212	069B - Plasma Burning Machine 2 Dust Collector B - Plasma Burning Machine 2 Dust Collector B		700000 (other units)	700000 (other units)	Other units are linear feet of plate cut per year.	5000 hr/yr

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
EQT 0213	070B - Plasma Burning Machine 3 Dust Collector B - Plasma Burning Machine 3 Dust Collector B		700000 (other units)	700000 (other units)	Other units are linear feet of plate cut per year.	5000 hr/yr
EQT 0214	118A - Wet Plasma Burning Machine 1 - Wet Plasma Burning Machine 1					5000 hr/yr
EQT 0215	118B - Wet Plasma Burning Machine 2 - Wet Plasma Burning Machine 2					5000 hr/yr
FUG 0003	FSA - Fugitives From Spent Abrasive Loading - Fugitives From Spent Abrasive Loading					3300 hr/yr
FUG 0004	FCS - Carpentry Shop Fugitives From Hopper Unloadi - Carpentry Shop Fugitives From Hopper Unloading		134.46 tons/yr			104 hr/yr
FUG 0005	FG - Fugitives From Glues, Cleaners, and Adhesives - Fugitives From Glues, Cleaners, and Adhesives					8760 hr/yr
FUG 0006	FW - Fugitives From Welding - Fugitives From Welding					8760 hr/yr
FUG 0007	FFA - Fugitives From Fiberglassing Activities - Fugitives From Fiberglassing Activities		510 gallons/yr	510 gallons/yr		8760 hr/yr
FUG 0008	GF14 - Gas Free Plant Fugitive Emissions - Gas Free Plant Fugitive Emissions					8760 hr/yr
FUG 0009	FFR - Fugitives from Facility Roads - Fugitives from Facility Roads					8760 hr/yr
RLP 0013	007A - 007 - Stress Relief Furnace Stacks A - 007 - Stress Relief Furnace Stacks A		16240 ft^3/hr	12922 ft^3/hr		3000 hr/yr
RLP 0014	007B - 007 - Stress Relief Furnace Stacks B - 007 - Stress Relief Furnace Stacks B		16240 ft^3/hr	12922 ft^3/hr		3000 hr/yr
RLP 0015	007C - 007 - Stress Relief Furnace Stacks C - 007 - Stress Relief Furnace Stacks C		16240 ft^3/hr	12922 ft^3/hr		3000 hr/yr
RLP 0016	007D - 007 - Stress Relief Furnace Stacks D - 007 - Stress Relief Furnace Stacks D		16240 ft^3/hr	12922 ft^3/hr		3000 hr/yr
RLP 0017	007E - 007 - Stress Relief Furnace Stacks E - 007 - Stress Relief Furnace Stacks E		16240 ft^3/hr	12922 ft^3/hr		3000 hr/yr
RLP 0018	007F - 007 - Stress Relief Furnace Stacks F - 007 - Stress Relief Furnace Stacks F		16240 ft^3/hr	12922 ft^3/hr		3000 hr/yr
RLP 0020	016A, 016SCA - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent A (Bldg 908)		29000 ft^3/min	29000 ft^3/min		8760 hr/yr
RLP 0021	016B, 016SCB - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent B (Bldg 908)		29000 ft^3/min	29000 ft^3/min		8760 hr/yr
RLP 0022	016C, 016SCC - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent C (Bldg 908)		29000 ft^3/min	29000 ft^3/min		8760 hr/yr
RLP 0023	016D, 016SCD - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent D (Bldg 908)		29000 ft^3/min	29000 ft^3/min		8760 hr/yr
RLP 0024	016E, 016SCE - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent E (Bldg 908)		29000 ft^3/min	29000 ft^3/min		8760 hr/yr
RLP 0025	016F, 016SCF - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent F (Bldg 908)		29000 ft^3/min	29000 ft^3/min		8760 hr/yr
RLP 0026	016G, 016SCG - 016 - Plate Shop Blast Plant - Exha - 016 -		29000 ft^3/min	29000 ft^3/min		8760 hr/yr

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
	Plate Shop Blast Plant - Exhaust Vent G (Bldg 908)					
RLP 0027	016H, 016SCH - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent H (Bldg 908)		29000 ft^3/min	29000 ft^3/min		8760 hr/yr
RLP 0037	034A, 034SCA - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent A		25000 ft^3/min	25000 ft^3/min		8760 hr/yr
RLP 0038	034B, 034SCB - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent B		25000 ft^3/min	25000 ft^3/min		8760 hr/yr
RLP 0039	034C, 034SCC - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent C		25000 ft^3/min	25000 ft^3/min		8760 hr/yr
RLP 0040	034D, 034SCD - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent D		25000 ft^3/min	25000 ft^3/min		8760 hr/yr
RLP 0041	034E, 034SCE - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent E		25000 ft^3/min	25000 ft^3/min		8760 hr/yr
RLP 0170	036A - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack A		3.2 MM BTU/hr	2.56 MM BTU/hr		8760 hr/yr
RLP 0171	036B - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack B		3.2 MM BTU/hr	2.56 MM BTU/hr		8760 hr/yr

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Avondale Shipyard							
ARE 0001	056 - Outdoor Blasting - Outdoor Blasting	0	0			0	0
EQT 0002	008 - Angle/Plate Furnace (Bldg 214) - Angle/Plate Furnace (Bldg 214)	10.3	1350	1.67		22	450
EQT 0004	017 - Plate Shop Blast Plant Pre-Dry Oven (Bldg. 9 - Plate Shop Blast Plant Pre-Dry Oven (Bldg. 908)	26.4	1700	1.17		10	450
EQT 0006	019 - Plate Shop Blast Plant Final-Dry Oven (Bldg. - Plate Shop Blast Plant Final-Dry Oven (Bldg. 908)	49.96	12500	4.17		12	450
EQT 0007	022A - Portable Boiler - Portable Boiler	63.58	2996	1		12	450
EQT 0010	022G - Portable Boiler - Portable Boiler	63.58	2996	1		12	450
EQT 0011	022H - Portable Boiler - Portable Boiler	63.58	2996	1		12	450
EQT 0012	024 - Shot Blast Tumble Unit Dust Collector - Shot Blast Tumble Unit Dust Collector	81.3	2000	.41		10	78
EQT 0016	037 - Steel Shot Panel Line Edge Blaster Dust Coll - Steel Shot Panel Line Edge Blaster Dust Collector	55	7228	1.67		12	78
EQT 0017	041 - Carpentry Shop Dust Collector (Bldg. 110) - Carpentry Shop Dust Collector (Bldg. 110)	9.9	2000	2.07		15	78
EQT 0021	050D - Gasoline Storage Tank No. 2 - Gasoline Storage Tank No. 2	.01	.01	.08		6	78
EQT 0022	050E - Gasoline Storage Tank No. 4 - Gasoline Storage Tank No. 4	.01	.01	.08		7.5	78
EQT 0024	053 - Pipe Shop Dust Collector (Bldg. 118) - Pipe Shop Dust Collector (Bldg.	38.4	18184	3.17		15	78

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Avondale Shipyard							
118)							
EQT 0027	066A - Plate Shop Blast Building Vacuum Producer - Plate Shop Blast Building Vacuum Producer	17	800	1		8	78
EQT 0033	073A - Portable Dust Collector A - Portable Dust Collector A	56.1	20000	2.75		18	80
EQT 0034	073B - Portable Dust Collector B - Portable Dust Collector B	56.1	20000	2.75		18	78
EQT 0037	078A - Portable Vacuum Trailer 1 - Portable Vacuum Trailer 1	138.7	4500	.83		10	78
EQT 0038	078B - Portable Vacuum Trailer 2 - Portable Vacuum Trailer 2	138.7	4500	.83		10	78
EQT 0039	078C - Portable Vacuum Trailer 3 - Portable Vacuum Trailer 3	138.7	4500	.83		10	78
EQT 0040	078D - Portable Vacuum Trailer 4 - Portable Vacuum Trailer 4	138.7	4500	.83		10	78
EQT 0041	078E - Portable Vacuum Trailer 5 - Portable Vacuum Trailer 5	138.7	4500	.83		10	78
EQT 0042	078F - Portable Vacuum Trailer 6 - Portable Vacuum Trailer 6	138.7	4500	.83		10	78
EQT 0043	078G - Portable Vacuum Trailer 7 - Portable Vacuum Trailer 7	138.7	4500	.83		10	78
EQT 0044	078H - Portable Vacuum Trailer 8 - Portable Vacuum Trailer 8	138.7	4500	.83		10	78
EQT 0045	080 - T-Beam Blaster Dust Collector - T-Beam Blaster Dust Collector	56.6	13000	2.21		20	78
EQT 0046	082 - Forging Furnace (Bldg. 214) - Forging Furnace (Bldg. 214)	20	5890	2.5		35	450
EQT 0055	088 - Deck Blaster Dust Collector - Deck Blaster Dust Collector	58	1367	5		10	78
EQT 0056	089 - Deck Blaster Dust Collector - Deck Blaster Dust Collector	58	1367	5		10	78
EQT 0057	090 - Deck Blaster Dust Collector - Deck Blaster Dust Collector	58	1367	5		10	78
EQT 0058	091 - Versablast Dust Collector - Versablast Dust Collector	50	339000	12		30	78
EQT 0059	092 - Versablast Dust Collector - Versablast Dust Collector	50	339000	12		30	78
EQT 0060	093 - Versablast Dust Collector - Versablast Dust Collector	50	339000	12		30	78
EQT 0061	094 - Versablast Dust Collector - Versablast Dust Collector	50	339000	12		30	78
EQT 0062	095A - Cooling Tower No. 1 - Cooling Tower No. 1	30	79522	7.5		20	95
EQT 0063	095B - Cooling Tower No. 2 - Cooling Tower No. 2	30	79522	7.5		20	95
EQT 0064	095C - Cooling Tower No 3 - Cooling Tower No. 3	30	79522	7.5		20	95
EQT 0065	095D - Cooling Tower No 4 - Cooling Tower No. 4	30	79522	7.5		20	95
EQT 0066	096A - Portable Dust Collector 1 - Portable Dust Collector 1	50	406800	12		30	78
EQT 0070	096E - Portable Dust Collector 5 - Portable Dust Collector 5	50	406800	12		30	78
EQT 0071	096F - Portable Dust Collector 6 - Portable Dust Collector 6	50	406800	12		30	78
EQT 0072	096G - Portable Dust Collector 7 - Portable Dust Collector 7	50	406800	12		30	78
EQT 0073	096H - Portable Dust Collector 8 - Portable Dust Collector 8	50	406800	12		30	78
EQT 0074	096I - Portable Dust Collector 9 - Portable Dust Collector 9	50	406800	12		30	78
EQT 0075	096J - Portable Dust Collector 10 - Portable Dust Collector 10	50	406800	12		30	78

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Avondale Shipyard							
EQT 0077	099 - Sheet Metal Burning Table No. 1 (Bldg. 109) - Sheet Metal Burning Table No. 1 (Bldg. 109)	.01	.01	1		1	78
EQT 0078	100 - Sheet Metal Burning Table No. 2 (Bldg. 109) - Sheet Metal Burning Table No. 2 (Bldg. 109)	.01	.01	1		1	78
EQT 0080	103 - Welding Blowdown Dust Collector (Bldg. 711) - Welding Blowdown Dust Collector (Bldg. 711)	50	589	.5		10	78
EQT 0081	104 - Package Blasting Unit - Package Blasting Unit	50	147	.33		15	78
EQT 0088	112A - Diesel Water Blast Rig - Diesel Water Blast Rig	180	530	.25		50	450
EQT 0089	112B - Diesel Water Blaster No. 1 - Diesel Water Blaster No. 1	180	530	.25		50	450
EQT 0090	112C - Diesel Water Blaster No. 2 - Diesel Water Blaster No. 2	180	530	.25		50	450
EQT 0091	112D - Diesel Water Blaster No. 3 - Diesel Water Blaster No. 3	180	530	.25		50	450
EQT 0092	112E - Diesel Water Blaster No. 4 - Diesel Water Blaster No. 4	180	530	.25		50	450
EQT 0093	1-94 - Dry Dock Diesel Engine - Dry Dock Diesel Engine	110.73	1305	.5		80	450
EQT 0094	2-94 - Dry Dock Diesel Engine - Dry Dock Diesel Engine	110.73	1305	.5		80	450
EQT 0098	GF9 - Water Heater - Water Heater	2.62	983	2.5		25	450
EQT 0099	GF23 - ASI 5141 Deck Storage Tank - ASI 5141 Deck Storage Tank	.01	.01	.5		10	78
EQT 0100	GF24 - ASI 5141 Diesel Engine - ASI 5141 Diesel Engine	150		.25		20	450
EQT 0101	GF39 - ASI 2483 Diesel Engine - ASI 2483 Diesel Engine	150		.25		20	450
EQT 0102	GF48 - ASI 5389 Diesel Engine - ASI 5389 Diesel Engine	150		.25		20	450
EQT 0115	096B - Portable Dust Collector 2 - Portable Dust Collector 2	50	406800	12		30	78
EQT 0116	096C - Portable Dust Collector 3 - Portable Dust Collector 3	50	406800	12		30	78
EQT 0117	096D - Portable Dust Collector 4 - Portable Dust Collector 4	50	406800	12		30	78
EQT 0124	018A - Plate Shop Blast Plant Dust Collector A - Plate Shop Blast Plant Dust Collector A	40	10000	4.17		12	78
EQT 0125	018B - Plate Shop Blast Plant Dust Collector B - Plate Shop Blast Plant Dust Collector B	40	10000	4.17		12	78
EQT 0126	018C - Plate Shop Blast Plant Dust Collector C - Plate Shop Blast Plant Dust Collector C	40	10000	4.17		12	78
EQT 0127	032A - Structural Blast Plant Dust Collector A - Structural Blast Plant Dust Collector A	128	12000	1.41		18	78
EQT 0128	032B - Structural Blast Plant Dust Collector B - Structural Blast Plant Dust Collector B	128	12000	1.41		18	78
EQT 0131	045A - Blast Room Shot Reclaimer Dust Collector A - Blast Room Shot Reclaimer Dust Collector A	14.8	3531	2.25		17	78
EQT 0132	045B - Blast Room Shot Reclaimer Dust Collector B - Blast Room Shot Reclaimer Dust Collector B	14.8	3531	2.25		17	78
EQT 0133	046A - Blast and Clean Room Dust Collector A - Blast and Clean Room Dust Collector A	185.2	44181	2.25		17	78

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Avondale Shipyard							
EQT 0134	046B - Blast and Clean Room Dust Collector B - Blast and Clean Room Dust Collector B	185.2	44181	2.25		17	78
EQT 0135	046C - Blast and Clean Room Dust Collector C - Blast and Clean Room Dust Collector C	185.2	44181	2.25		17	78
EQT 0136	046D - Blast and Clean Room Dust Collector D - Blast and Clean Room Dust Collector D	185.2	44181	2.25		17	78
EQT 0137	046E - Blast and Clean Room Dust Collector E - Blast and Clean Room Dust Collector E	185.2	44181	2.25		17	78
EQT 0138	046F - Blast and Clean Room Dust Collector F - Blast and Clean Room Dust Collector F	185.2	44181	2.25		17	78
EQT 0139	046G - Blast and Clean Room Dust Collector G - Blast and Clean Room Dust Collector G	185.2	44181	2.25		17	78
EQT 0140	046H - Blast and Clean Room Dust Collector H - Blast and Clean Room Dust Collector H	185.2	44181	2.25		17	78
EQT 0149	087A1 - New Shot House Dust Collector A1 - New Shot House Dust Collector A1	60	406800	12		30	78
EQT 0150	087A2 - New Shot House Dust Collector A2 - New Shot House Dust Collector A2	60	406800	12		30	78
EQT 0151	087B1 - New Shot House Dust Collector B1 - New Shot House Dust Collector B1	60	406800	12		30	78
EQT 0152	087B2 - New Shot House Dust Collector B2 - New Shot House Dust Collector B2	60	406800	12		30	78
EQT 0153	087E - New Shot House Dust Collector E - New Shot House Dust Collector E	60	406800	12		30	78
EQT 0154	GF10 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 2S			1.5		20	
EQT 0155	GF11 - ASI 5177 Clarifier Bulkheads, Aeration & Ba - ASI 5177 Clarifier Bulkheads, Aeration & Bacteria Tank 2P			1.5		20	
EQT 0156	GF12 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 3S			1.5		20	
EQT 0157	GF13 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 3P			1.5		20	
EQT 0158	GF25 - ASI 5177 Heating & Aeration Tank 1S - ASI 5177 Heating & Aeration Tank 1S			1.5		20	
EQT 0159	GF26 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 1P			1.5		20	
EQT 0183	031D - Plate Shop Blast Plant Paint Booth Dust Col - Plate Shop Blast Plant Paint Booth Dust Collector (Bldg. 908)	58.95	25000	3		22.64	
EQT 0185	035D - Structural Blast Plant Paint Booth Dust Col - Structural Blast Plant Paint Booth Dust Collector (Bldg. 809)	58.95	25000	3		22.64	
EQT 0187	049 - Paint Room Exhaust (Bldg. 827) - Paint Room Exhaust (Bldg. 827)	45.5	50000	4.83		15	
EQT 0188	054 - Pipe Shop Paint Booth (Bldg. 118) - Pipe Shop Paint Booth (Bldg. 118)	35.4	6474	1.97		12.2	
EQT 0190	087F1 - New Shot House Abrasive Reclamation Dust C - New Shot House Abrasive Reclamation Dust Collector #1	60	406800	12		30	80

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Avondale Shipyard							
EQT 0191	087F2 - New Shot House Abrasive Reclamation Dust C - New Shot House Abrasive Reclamation Dust Collector #2	60	406800	12		30	80
EQT 0192	117 - Crane Movement Diesel Generator - Crane Movement Diesel Generator	180	530	.25		10	450
EQT 0193	064A - Oxyfuel Burning and Cutting Machine 1 - Oxyfuel Burning and Cutting Machine 1	72.5	9990	1.71		13	250
EQT 0194	064B - Oxyfuel Burning and Cutting Machine 2 - Oxyfuel Burning and Cutting Machine 2			3.28		3.31	250
EQT 0195	064C - Oxyfuel Burning and Cutting Machine 3 - Oxyfuel Burning and Cutting Machine 3			3.28		3.31	250
EQT 0196	064D - Oxyfuel Burning and Cutting Machine 4 - Oxyfuel Burning and Cutting Machine 4			3.28		3.31	250
EQT 0197	064E - Oxyfuel Burning and Cutting Machine 5 - Oxyfuel Burning and Cutting Machine 5			3.28		3.31	250
EQT 0198	064F - Oxyfuel Burning and Cutting Machine 6 - Oxyfuel Burning and Cutting Machine 6			3.28		3.31	250
EQT 0199	064G - Oxyfuel Burning and Cutting Machine 7 - Oxyfuel Burning and Cutting Machine 7			3.28		3.31	250
EQT 0200	GF17 - ASI 5141 Storage Tank 2S - ASI 5141 Storage Tank 2S	.01	.01	.5		10	78
EQT 0201	GF18 - ASI 5141 Storage Tank 2P - ASI 5141 Storage Tank 2P	.01	.01	.5		10	78
EQT 0202	GF22 - ASI 5141 Storage Tank 4P - ASI 5141 Storage Tank 4P	.01	.01	.5		10	78
EQT 0204	GF43 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 2P	.01	.01	.5		10	78
EQT 0205	068A - Plasma Burning Machine 1 Dust Collector A - Plasma Burning Machine 1 Dust Collector A	76.1	10500	1.7		13	250
EQT 0206	069A - Plasma Burning Machine 2 Dust Collector A - Plasma Burning Machine 2 Dust Collector A	76.1	10500	1.7		13	250
EQT 0207	070A - Plasma Burning Machine 3 Dust Collector A - Plasma Burning Machine 3 Dust Collector A	76.1	10500	1.7		13	250
EQT 0208	072 - Plasma Splitter/Deflanger Dust Collector - Plasma Splitter/Deflanger Dust Collector	76.1	10500	1.7		13	250
EQT 0211	068B - Plasma Burning Machine 1 Dust Collector B - Plasma Burning Machine 1 Dust Collector B	76.1	10500	1.7		13	250
EQT 0212	069B - Plasma Burning Machine 2 Dust Collector B - Plasma Burning Machine 2 Dust Collector B	76.1	10500	1.7		13	250
EQT 0213	070B - Plasma Burning Machine 3 Dust Collector B - Plasma Burning Machine 3 Dust Collector B	76.1	10500	1.7		13	250
EQT 0214	118A - Wet Plasma Burning Machine 1 - Wet Plasma Burning Machine 1	72.5	9990	1.71		13	250
EQT 0215	118B - Wet Plasma Burning Machine 2 - Wet Plasma Burning Machine 2	72.5	9990	1.71		13	250
FUG 0003	FSA - Fugitives From Spent Abrasive Loading - Fugitives From Spent Abrasive Loading	.01	.01	3.28		10	78
RLP 0013	007A - 007 - Stress Relief Furnace Stacks A - 007 - Stress Relief Furnace Stacks A	19.25	4634	2.26		35	450

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Avondale Shipyard							
RLP 0014	007B - 007 - Stress Relief Furnace Stacks B - 007 - Stress Relief Furnace Stacks B	19.25	4634	2.26		35	450
RLP 0015	007C - 007 - Stress Relief Furnace Stacks C - 007 - Stress Relief Furnace Stacks C	19.25	4634	2.26		35	450
RLP 0016	007D - 007 - Stress Relief Furnace Stacks D - 007 - Stress Relief Furnace Stacks D	19.25	4634	2.26		35	450
RLP 0017	007E - 007 - Stress Relief Furnace Stacks E - 007 - Stress Relief Furnace Stacks E	19.25	4634	2.26		35	450
RLP 0018	007F - 007 - Stress Relief Furnace Stacks F - 007 - Stress Relief Furnace Stacks F	19.25	4634	2.26		35	450
RLP 0020	016A, 016SCA - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent A (Bldg 908)	128	29000	2.83		31	78
RLP 0021	016B, 016SCB - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent B (Bldg 908)	76.8	29000	2.83		31	78
RLP 0022	016C, 016SCC - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent C (Bldg 908)	76.8	29000	2.83		31	78
RLP 0023	016D, 016SCD - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent D (Bldg 908)	76.8	29000	2.83		31	78
RLP 0024	016E, 016SCE - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent E (Bldg 908)	76.8	29000	2.83		31	78
RLP 0025	016F, 016SCF - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent F (Bldg 908)	76.8	29000	2.83		31	78
RLP 0026	016G, 016SCG - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent G (Bldg 908)	76.8	29000	2.83		31	78
RLP 0027	016H, 016SCH - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent H (Bldg 908)	76.8	29000	2.83		31	78
RLP 0037	034A, 034SCA - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent A	33.2	25000	4		12	78
RLP 0038	034B, 034SCB - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent B	33.2	25000	4		12	78
RLP 0039	034C, 034SCC - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent C	33.2	25000	4		12	78
RLP 0040	034D, 034SCD - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent D	33.2	25000	4		12	78
RLP 0041	034E, 034SCE - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent E	33.2	25000	4		12	78
RLP 0170	036A - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack A	18.7	4300	2.2		16	450
RLP 0171	036B - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack B	18.7	4300	2.2		16	450

Relationships:

ID	Description	Relationship	ID	Description
RLP 0013	007A - 007 - Stress Relief Furnace Stacks A - 007 - Stress Relief	Controls emissions from	EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Relationships:

ID	Description	Relationship	ID	Description
	Furnace Stacks A			(Bldg. 214)
RLP 0014	007B - 007 - Stress Relief Furnace Stacks B - 007 - Stress Relief Furnace Stacks B	Controls emissions from	EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace (Bldg. 214)
RLP 0015	007C - 007 - Stress Relief Furnace Stacks C - 007 - Stress Relief Furnace Stacks C	Controls emissions from	EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace (Bldg. 214)
RLP 0016	007D - 007 - Stress Relief Furnace Stacks D - 007 - Stress Relief Furnace Stacks D	Controls emissions from	EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace (Bldg. 214)
RLP 0017	007E - 007 - Stress Relief Furnace Stacks E - 007 - Stress Relief Furnace Stacks E	Controls emissions from	EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace (Bldg. 214)
RLP 0018	007F - 007 - Stress Relief Furnace Stacks F - 007 - Stress Relief Furnace Stacks F	Controls emissions from	EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace (Bldg. 214)
RLP 0170	036A - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack A	Controls emissions from	EQT 0015	036 - Structural Blast Plant Final Dry Oven - Structural Blast Plant Final Dry Oven
RLP 0171	036B - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack B	Controls emissions from	EQT 0015	036 - Structural Blast Plant Final Dry Oven - Structural Blast Plant Final Dry Oven

Subject Item Groups:

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	Dust Collector Requirements - Non-TAP Dust Collector Requirements (99.99% efficiency)
CRG 0002	Common Requirements Group	Boiler Requirements - Portable Boiler Requirements
CRG 0003	Common Requirements Group	Vacuum Trailer Requirements - Vacuum Trailer Requirements
CRG 0005	Common Requirements Group	Surface Coating Requirements - Surface Coating Requirements
CRG 0007	Common Requirements Group	Barge Storage Tank Requirements - Barge Storage Tank Requirements (excluding Vegetable Oil and Gasoline)
CRG 0008	Common Requirements Group	Dust Collector Requirements - TAP Dust Collector Requirements (99.99% efficiency)
CRG 0009	Common Requirements Group	Oven, Furnace, and Heater Requirements - Oven, Furnace, and Heater Requirements
CRG 0010	Common Requirements Group	Diesel Engine Requirements - Diesel Engine Requirements
CRG 0011	Common Requirements Group	Burning and Cutting Machine Requirements - Burning and Cutting Machine (not including the associated Dust Collectors) Requirements
CRG 0012	Common Requirements Group	Gasoline Storage Tank Requirements - Gasoline Storage Tank Requirements
CRG 0013	Common Requirements Group	Exhaust Vent Requirements - Exhaust Vent Requirements
CRG 0014	Common Requirements Group	Dust Collector Requirements - Non-TAP Dust Collector Requirements (99.90% efficiency)
CRG 0015	Common Requirements Group	Dust Collector Requirements - Non-TAP Dust Collector Requirements (99.50% efficiency)
CRG 0016	Common Requirements Group	Dust Collector Requirements - TAP Dust Collector Requirements (99.90% efficiency)
GRP 0004	Equipment Group	SC-CAP - Surface Coating Emissions Cap
GRP 0005	Equipment Group	GFP-CAP - Gas Free Plant Emissions Cap
GRP 0006	Equipment Group	PDC-CAP - Portable Dust Collectors Emission Cap
GRP 0007	Equipment Group	FBH-CAP - Facility Baghouses Emission Cap
GRP 0008	Equipment Group	MNGC-CAP - Misc Natural Gas Combustion Units (> 1 MMBtu/hr) Emissions Cap
GRP 0009	Equipment Group	MDC-CAP - Misc Diesel-fired Combustion Units (> 1 MMBtu/hr) Emissions Cap

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Group Type	Group Description
GRP 0010	Equipment Group	BCM-CAP - Burning and Cutting Machines and Associated Dust Collectors Emissions Cap
UNF 0001	Unit or Facility Wide	Facility Wide - Avondale Shipyard

Group Membership:

ID	Description	Member of Groups
ARE 0002	057 - Outdoor Painting - Outdoor Painting	CRG0000000005, GRP0000000004
EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace (Bldg. 214)	CRG0000000009, GRP0000000008
EQT 0002	008 - Angle/Plate Furnace (Bldg 214) - Angle/Plate Furnace (Bldg 214)	CRG0000000009, GRP0000000008
EQT 0004	017 - Plate Shop Blast Plant Pre-Dry Oven (Bldg 9 - Plate Shop Blast Plant Pre-Dry Oven (Bldg. 908)	CRG0000000009, GRP0000000008
EQT 0006	019 - Plate Shop Blast Plant Final-Dry Oven (Bldg. - Plate Shop Blast Plant Final-Dry Oven (Bldg 908)	CRG0000000009, GRP0000000008
EQT 0007	022A - Portable Boiler - Portable Boiler	CRG0000000002, GRP0000000008
EQT 0010	022G - Portable Boiler - Portable Boiler	CRG0000000002, GRP0000000008
EQT 0011	022H - Portable Boiler - Portable Boiler	CRG0000000002, GRP0000000008
EQT 0012	024 - Shot Blast Tumble Unit Dust Collector - Shot Blast Tumble Unit Dust Collector	CRG0000000001, GRP0000000006
EQT 0015	036 - Structural Blast Plant Final Dry Oven - Structural Blast Plant Final Dry Oven	CRG0000000009, GRP0000000008
EQT 0016	037 - Steel Shot Panel Line Edge Blaster Dust Coll - Steel Shot Panel Line Edge Blaster Dust Collector	CRG0000000001, GRP0000000007
EQT 0017	041 - Carpentry Shop Dust Collector (Bldg. 110) - Carpentry Shop Dust Collector (Bldg. 110)	CRG0000000015, GRP0000000007
EQT 0021	050D - Gasoline Storage Tank No. 2 - Gasoline Storage Tank No. 2	CRG0000000012
EQT 0022	050E - Gasoline Storage Tank No. 4 - Gasoline Storage Tank No. 4	CRG0000000012
EQT 0024	053 - Pipe Shop Dust Collector (Bldg. 118) - Pipe Shop Dust Collector (Bldg. 118)	CRG0000000001, GRP0000000007
EQT 0027	066A - Plate Shop Blast Building Vacuum Producer - Plate Shop Blast Building Vacuum Producer	CRG0000000003, GRP0000000007
EQT 0033	073A - Portable Dust Collector A - Portable Dust Collector A	CRG0000000014, GRP0000000006
EQT 0034	073B - Portable Dust Collector B - Portable Dust Collector B	CRG0000000014, GRP0000000006
EQT 0037	078A - Portable Vacuum Trailer 1 - Portable Vacuum Trailer 1	CRG0000000003, GRP0000000006
EQT 0038	078B - Portable Vacuum Trailer 2 - Portable Vacuum Trailer 2	CRG0000000003, GRP0000000006
EQT 0039	078C - Portable Vacuum Trailer 3 - Portable Vacuum Trailer 3	CRG0000000003, GRP0000000006
EQT 0040	078D - Portable Vacuum Trailer 4 - Portable Vacuum Trailer 4	CRG0000000003, GRP0000000006
EQT 0041	078E - Portable Vacuum Trailer 5 - Portable Vacuum Trailer 5	CRG0000000003, GRP0000000006
EQT 0042	078F - Portable Vacuum Trailer 6 - Portable Vacuum Trailer 6	CRG0000000003, GRP0000000006
EQT 0043	078G - Portable Vacuum Trailer 7 - Portable Vacuum Trailer 7	CRG0000000003, GRP0000000006
EQT 0044	078H - Portable Vacuum Trailer 8 - Portable Vacuum Trailer 8	CRG0000000003, GRP0000000006
EQT 0045	080 - T-Beam Blaster Dust Collector - T-Beam Blaster Dust Collector	CRG0000000014, GRP0000000007
EQT 0046	082 - Forging Furnace (Bldg 214) - Forging Furnace (Bldg. 214)	CRG0000000009, GRP0000000008
EQT 0047	085A - Paint Room Heater - Paint Room Heater	CRG0000000009, GRP0000000008
EQT 0048	085B - Paint Room Heater - Paint Room Heater	CRG0000000009, GRP0000000008
EQT 0049	085C - Paint Room Heater - Paint Room Heater	CRG0000000009, GRP0000000008
EQT 0055	088 - Deck Blaster Dust Collector - Deck Blaster Dust Collector	CRG0000000001, GRP0000000006
EQT 0056	089 - Deck Blaster Dust Collector - Deck Blaster Dust Collector	CRG0000000001, GRP0000000006
EQT 0057	090 - Deck Blaster Dust Collector - Deck Blaster Dust Collector	CRG0000000001, GRP0000000006
EQT 0058	091 - Versablast Dust Collector - Versablast Dust Collector	CRG0000000001, GRP0000000006

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AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
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Group Membership:

ID	Description	Member of Groups
EQT 0059	092 - Versablast Dust Collector - Versablast Dust Collector	CRG0000000001, GRP0000000006
EQT 0060	093 - Versablast Dust Collector - Versablast Dust Collector	CRG0000000001, GRP0000000006
EQT 0061	094 - Versablast Dust Collector - Versablast Dust Collector	CRG0000000001, GRP0000000006
EQT 0066	096A - Portable Dust Collector 1 - Portable Dust Collector 1	CRG0000000014, GRP0000000006
EQT 0070	096E - Portable Dust Collector 5 - Portable Dust Collector 5	CRG0000000014, GRP0000000006
EQT 0071	096F - Portable Dust Collector 6 - Portable Dust Collector 6	CRG0000000014, GRP0000000006
EQT 0072	096G - Portable Dust Collector 7 - Portable Dust Collector 7	CRG0000000014, GRP0000000006
EQT 0073	096H - Portable Dust Collector 8 - Portable Dust Collector 8	CRG0000000014, GRP0000000006
EQT 0074	096I - Portable Dust Collector 9 - Portable Dust Collector 9	CRG0000000014, GRP0000000006
EQT 0075	096J - Portable Dust Collector 10 - Portable Dust Collector 10	CRG0000000014, GRP0000000006
EQT 0077	099 - Sheet Metal Burning Table No. 1 (Bldg. 109) - Sheet Metal Burning Table No. 1 (Bldg. 109)	CRG0000000011, GRP0000000010
EQT 0078	100 - Sheet Metal Burning Table No. 2 (Bldg. 109) - Sheet Metal Burning Table No. 2 (Bldg. 109)	CRG0000000011, GRP0000000010
EQT 0079	101- Onsite Training School Burning and Cutting - Onsite Training School Burning and Cutting	CRG0000000011, GRP0000000010
EQT 0080	103 - Welding Blowdown Dust Collector (Bldg. 711) - Welding Blowdown Dust Collector (Bldg. 711)	CRG0000000001, GRP0000000007
EQT 0081	104 - Package Blasting Unit - Package Blasting Unit	CRG0000000014, GRP0000000007
EQT 0088	112A - Diesel Water Blast Rig - Diesel Water Blast Rig	CRG0000000010, GRP0000000009
EQT 0089	112B - Diesel Water Blaster No. 1 - Diesel Water Blaster No. 1	CRG0000000010, GRP0000000009
EQT 0090	112C - Diesel Water Blaster No. 2 - Diesel Water Blaster No. 2	CRG0000000010, GRP0000000009
EQT 0091	112D - Diesel Water Blaster No. 3 - Diesel Water Blaster No. 3	CRG0000000010, GRP0000000009
EQT 0092	112E - Diesel Water Blaster No. 4 - Diesel Water Blaster No. 4	CRG0000000010, GRP0000000009
EQT 0093	1-94 - Dry Dock Diesel Engine - Dry Dock Diesel Engine	CRG0000000010, GRP0000000009
EQT 0094	2-94 - Dry Dock Diesel Engine - Dry Dock Diesel Engine	CRG0000000010, GRP0000000009
EQT 0098	GF9 - Water Heater - Water Heater	CRG0000000009, GRP0000000008
EQT 0099	GF23 - ASI 5141 Deck Storage Tank - ASI 5141 Deck Storage Tank	GRP0000000005
EQT 0100	GF24 - ASI 5141 Diesel Engine - ASI 5141 Diesel Engine	CRG0000000010, GRP0000000009
EQT 0101	GF39 - ASI 2483 Diesel Engine - ASI 2483 Diesel Engine	CRG0000000010, GRP0000000009
EQT 0102	GF48 - ASI 5389 Diesel Engine - ASI 5389 Diesel Engine	CRG0000000010, GRP0000000009
EQT 0103	GF49 - "Pollution Barge" Loading/Unloading - "Pollution Barge" Loading/Unloading	CRG0000000007, GRP0000000005
EQT 0104	GF50 - Barge and Ship Tank Vent for Cleaning - Barge and Ship Tank Vent for Cleaning	GRP0000000005
EQT 0105	GF51 - Product Loading/Unloading for Storage/Sale - Product Loading/Unloading for Storage/Sale	GRP0000000005
EQT 0106	GF52 - Pollution Barge No. 1-1S - Pollution Barge No. 1-1S	CRG0000000007, GRP0000000005
EQT 0107	GF53 - Pollution Barge No. 1-1P - Pollution Barge No. 1-1P	CRG0000000007, GRP0000000005
EQT 0108	GF54 - Pollution Barge No. 5-1S - Pollution Barge No. 5-1S	CRG0000000007, GRP0000000005
EQT 0109	GF55 - Pollution Barge No. 5-1P - Pollution Barge No. 5-1P	CRG0000000007, GRP0000000005
EQT 0110	GF56 - Tank Truck Loading - Tank Truck Loading	GRP0000000005
EQT 0115	096B - Portable Dust Collector 2 - Portable Dust Collector 2	CRG0000000014, GRP0000000006
EQT 0116	096C - Portable Dust Collector 3 - Portable Dust Collector 3	CRG0000000014, GRP0000000006
EQT 0117	096D - Portable Dust Collector 4 - Portable Dust Collector 4	CRG0000000014, GRP0000000006
EQT 0124	018A - Plate Shop Blast Plant Dust Collector A - Plate Shop Blast Plant Dust Collector A	CRG0000000001, GRP0000000007
EQT 0125	018B - Plate Shop Blast Plant Dust Collector B - Plate Shop Blast Plant Dust Collector B	CRG0000000001, GRP0000000007
EQT 0126	018C - Plate Shop Blast Plant Dust Collector C - Plate Shop Blast Plant Dust Collector C	CRG0000000001, GRP0000000007

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups
EQT 0127	032A - Structural Blast Plant Dust Collector A - Structural Blast Plant Dust Collector A	CRG0000000001, GRP0000000007
EQT 0128	032B - Structural Blast Plant Dust Collector B - Structural Blast Plant Dust Collector B	CRG0000000001, GRP0000000007
EQT 0131	045A - Blast Room Shot Reclaimer Dust Collector A - Blast Room Shot Reclaimer Dust Collector A	CRG0000000001, GRP0000000007
EQT 0132	045B - Blast Room Shot Reclaimer Dust Collector B - Blast Room Shot Reclaimer Dust Collector B	CRG0000000001, GRP0000000007
EQT 0133	046A - Blast and Clean Room Dust Collector A - Blast and Clean Room Dust Collector A	CRG0000000001, GRP0000000007
EQT 0134	046B - Blast and Clean Room Dust Collector B - Blast and Clean Room Dust Collector B	CRG0000000001, GRP0000000007
EQT 0135	046C - Blast and Clean Room Dust Collector C - Blast and Clean Room Dust Collector C	CRG0000000001, GRP0000000007
EQT 0136	046D - Blast and Clean Room Dust Collector D - Blast and Clean Room Dust Collector D	CRG0000000001, GRP0000000007
EQT 0137	046E - Blast and Clean Room Dust Collector E - Blast and Clean Room Dust Collector E	CRG0000000001, GRP0000000007
EQT 0138	046F - Blast and Clean Room Dust Collector F - Blast and Clean Room Dust Collector F	CRG0000000001, GRP0000000007
EQT 0139	046G - Blast and Clean Room Dust Collector G - Blast and Clean Room Dust Collector G	CRG0000000001, GRP0000000007
EQT 0140	046H - Blast and Clean Room Dust Collector H - Blast and Clean Room Dust Collector H	CRG0000000001, GRP0000000007
EQT 0149	087A1 - New Shot House Dust Collector A1 - New Shot House Dust Collector A1	CRG0000000001, GRP0000000007
EQT 0150	087A2 - New Shot House Dust Collector A2 - New Shot House Dust Collector A2	CRG0000000001, GRP0000000007
EQT 0151	087B1 - New Shot House Dust Collector B1 - New Shot House Dust Collector B1	CRG0000000001, GRP0000000007
EQT 0152	087B2 - New Shot House Dust Collector B2 - New Shot House Dust Collector B2	CRG0000000001, GRP0000000007
EQT 0153	087E - New Shot House Dust Collector E - New Shot House Dust Collector E	CRG0000000001, GRP0000000007
EQT 0154	GF10 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 2S	CRG0000000007, GRP0000000005
EQT 0155	GF11 - ASI 5177 Clarifier Bulkheads, Aeration & Ba - ASI 5177 Clarifier Bulkheads, Aeration & Bacteria Tank 2P	CRG0000000007, GRP0000000005
EQT 0156	GF12 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 3S	CRG0000000007, GRP0000000005
EQT 0157	GF13 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 3P	CRG0000000007, GRP0000000005
EQT 0158	GF25 - ASI 5177 Heating & Aeration Tank 1S - ASI 5177 Heating & Aeration Tank 1S	CRG0000000007, GRP0000000005
EQT 0159	GF26 - ASI 5177 Heating, Aeration & Bacteria Tank - ASI 5177 Heating, Aeration & Bacteria Tank 1P	CRG0000000007, GRP0000000005
EQT 0160	GF15 - ASI 5141 Storage Tank 1S - ASI 5141 Storage Tank 1S	CRG0000000007, GRP0000000005
EQT 0161	GF16 - ASI 5141 Storage Tank 1P - ASI 5141 Storage Tank 1P	CRG0000000007, GRP0000000005
EQT 0164	GF19 - ASI 5141 Separation & Sedimentation Tank 3S - ASI 5141 Separation & Sedimentation Tank 3S	CRG0000000007, GRP0000000005
EQT 0165	GF20 - ASI 5141 Separation & Sedimentation Tank 3P - ASI 5141 Separation & Sedimentation Tank 3P	CRG0000000007, GRP0000000005
EQT 0166	GF21 - ASI 5141 Separation Tank 4S - ASI 5141 Separation Tank 4S	CRG0000000007, GRP0000000005
EQT 0167	GF31 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 1S	CRG0000000007, GRP0000000005
EQT 0168	GF32 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 1P	CRG0000000007, GRP0000000005
EQT 0169	GF33 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 2S	CRG0000000007, GRP0000000005
EQT 0170	GF34 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 2P	CRG0000000007, GRP0000000005
EQT 0171	GF35 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 3S	CRG0000000007, GRP0000000005
EQT 0172	GF36 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 3P	CRG0000000007, GRP0000000005
EQT 0173	GF37 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 4S	CRG0000000007, GRP0000000005

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AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
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Group Membership:

ID	Description	Member of Groups
EQT 0174	GF38 - ASI 2483 Storage/Oily Water Separation Tank - ASI 2483 Storage/Oily Water Separation Tank 4P	CRG0000000007, GRP0000000005
EQT 0175	GF40 - ASI 5389 Storage/Oily Water Separation Tan - ASI 5389 Storage/Oily Water Separation Tank 1S	CRG0000000007, GRP0000000005
EQT 0176	GF41 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 1P	CRG0000000007, GRP0000000005
EQT 0177	GF44 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 3S	CRG0000000007, GRP0000000005
EQT 0178	GF45 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 3P	CRG0000000007, GRP0000000005
EQT 0179	GF46 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 4S	CRG0000000007, GRP0000000005
EQT 0180	GF47 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 4P	CRG0000000007, GRP0000000005
EQT 0183	031D - Plate Shop Blast Plant Paint Booth Dust Col - Plate Shop Blast Plant Paint Booth Dust Collector (Bldg. 908)	CRG0000000016, GRP0000000004
EQT 0185	035D - Structural Blast Plant Paint Booth Dust Col - Structural Blast Plant Paint Booth Dust Collector (Bldg. 809)	CRG0000000016, GRP0000000004
EQT 0187	049 - Paint Room Exhaust (Bldg. 827) - Paint Room Exhaust (Bldg. 827)	CRG0000000013, GRP0000000004
EQT 0188	054 - Pipe Shop Paint Booth (Bldg. 118) - Pipe Shop Paint Booth (Bldg. 118)	CRG0000000005, GRP0000000004
EQT 0189	097 - New Shot House Painting Exhaust Vents (Bldg. - New Shot House Painting Exhaust Vents (Bldg. 319)	CRG0000000013, GRP0000000004
EQT 0190	087F1 - New Shot House Abrasive Reclamation Dust C - New Shot House Abrasive Reclamation Dust Collector #1	CRG0000000015, GRP0000000007
EQT 0191	087F2 - New Shot House Abrasive Reclamation Dust C - New Shot House Abrasive Reclamation Dust Collector #2	CRG0000000015, GRP0000000007
EQT 0192	117 - Crane Movement Diesel Generator - Crane Movement Diesel Generator	CRG0000000010, GRP0000000009
EQT 0193	064A - Oxyfuel Burning and Cutting Machine 1 - Oxyfuel Burning and Cutting Machine 1	CRG0000000011, GRP0000000010
EQT 0194	064B - Oxyfuel Burning and Cutting Machine 2 - Oxyfuel Burning and Cutting Machine 2	CRG0000000011, GRP0000000010
EQT 0195	064C - Oxyfuel Burning and Cutting Machine 3 - Oxyfuel Burning and Cutting Machine 3	CRG0000000011, GRP0000000010
EQT 0196	064D - Oxyfuel Burning and Cutting Machine 4 - Oxyfuel Burning and Cutting Machine 4	CRG0000000011, GRP0000000010
EQT 0197	064E - Oxyfuel Burning and Cutting Machine 5 - Oxyfuel Burning and Cutting Machine 5	CRG0000000011, GRP0000000010
EQT 0198	064F - Oxyfuel Burning and Cutting Machine 6 - Oxyfuel Burning and Cutting Machine 6	CRG0000000011, GRP0000000010
EQT 0199	064G - Oxyfuel Burning and Cutting Machine 7 - Oxyfuel Burning and Cutting Machine 7	CRG0000000011, GRP0000000010
EQT 0200	GF17 - ASI 5141 Storage Tank 2S - ASI 5141 Storage Tank 2S	GRP0000000005
EQT 0201	GF18 - ASI 5141 Storage Tank 2P - ASI 5141 Storage Tank 2P	GRP0000000005
EQT 0202	GF22 - ASI 5141 Storage Tank 4P - ASI 5141 Storage Tank 4P	GRP0000000005
EQT 0203	GF42 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 2S	CRG0000000007, GRP0000000005
EQT 0204	GF43 - ASI 5389 Storage/Oily Water Separation Tank - ASI 5389 Storage/Oily Water Separation Tank 2P	GRP0000000005
EQT 0205	068A - Plasma Burning Machine 1 Dust Collector A - Plasma Burning Machine 1 Dust Collector A	CRG0000000008, GRP0000000010
EQT 0206	069A - Plasma Burning Machine 2 Dust Collector A - Plasma Burning Machine 2 Dust Collector A	CRG0000000008, GRP0000000010
EQT 0207	070A - Plasma Burning Machine 3 Dust Collector A - Plasma Burning Machine 3 Dust Collector A	CRG0000000008, GRP0000000010
EQT 0208	072 - Plasma Splitter/Deflanger Dust Collector - Plasma Splitter/Deflanger Dust Collector	CRG0000000008, GRP0000000010

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Group Membership:

ID	Description	Member of Groups
EQT 0211	068B - Plasma Burning Machine 1 Dust Collector B - Plasma Burning Machine 1 Dust Collector B	CRG0000000008, GRP0000000010
EQT 0212	069B - Plasma Burning Machine 2 Dust Collector B - Plasma Burning Machine 2 Dust Collector B	CRG0000000008, GRP0000000010
EQT 0213	070B - Plasma Burning Machine 3 Dust Collector B - Plasma Burning Machine 3 Dust Collector B	CRG0000000008, GRP0000000010
EQT 0214	118A - Wet Plasma Burning Machine 1 - Wet Plasma Burning Machine 1	CRG0000000011, GRP0000000010
EQT 0215	118B - Wet Plasma Burning Machine 2 - Wet Plasma Burning Machine 2	CRG0000000011, GRP0000000010
FUG 0008	GF14 - Gas Free Plant Fugitive Emissions - Gas Free Plant Fugitive Emissions	GRP0000000005
RLP 0013	007A - 007 - Stress Relief Furnace Stacks A - 007 - Stress Relief Furnace Stacks A	CRG0000000009, GRP0000000008
RLP 0014	007B - 007 - Stress Relief Furnace Stacks B - 007 - Stress Relief Furnace Stacks B	CRG0000000009, GRP0000000008
RLP 0015	007C - 007 - Stress Relief Furnace Stacks C - 007 - Stress Relief Furnace Stacks C	CRG0000000009, GRP0000000008
RLP 0016	007D - 007 - Stress Relief Furnace Stacks D - 007 - Stress Relief Furnace Stacks D	CRG0000000009, GRP0000000008
RLP 0017	007E - 007 - Stress Relief Furnace Stacks E - 007 - Stress Relief Furnace Stacks E	CRG0000000009, GRP0000000008
RLP 0018	007F - 007 - Stress Relief Furnace Stacks F - 007 - Stress Relief Furnace Stacks F	CRG0000000009, GRP0000000008
RLP 0020	016A, 016SCA - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent A (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0021	016B, 016SCB - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent B (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0022	016C, 016SCC - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent C (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0023	016D, 016SCD - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent D (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0024	016E, 016SCE - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent E (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0025	016F, 016SCF - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent F (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0026	016G, 016SCG - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent G (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0027	016H, 016SCH - 016 - Plate Shop Blast Plant - Exha - 016 - Plate Shop Blast Plant - Exhaust Vent H (Bldg 908)	CRG0000000013, GRP0000000004
RLP 0037	034A, 034SCA - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent A	CRG0000000013, GRP0000000004
RLP 0038	034B, 034SCB - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent B	CRG0000000013, GRP0000000004
RLP 0039	034C, 034SCC - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent C	CRG0000000013, GRP0000000004
RLP 0040	034D, 034SCD - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent D	CRG0000000013, GRP0000000004
RLP 0041	034E, 034SCE - 034 - Structural Blast Plant Exhaus - 034 - Structural Blast Plant Exhaust Vent E	CRG0000000013, GRP0000000004
RLP 0170	036A - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack A	CRG0000000009, GRP0000000008
RLP 0171	036B - Structural Blast Plant Final Dry Oven Stack - Structural Blast Plant Final Dry Oven Stack B	CRG0000000009, GRP0000000008

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1250	1250 Ship and Boat Building: A) 5001 or More Employees		

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INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

SIC Codes:

3441	Fabricated structural metal	AI 593
3731	Ship building and repairing	AI 593
3732	Boat building and repairing	AI 593

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
ARE 0001 056 - Outdoor Blasting							0.99	0.99	4.32						
ARE 0002 057 - Outdoor Painting								14.22						42.33	
EQT 0002 008 - Angle/Plate Furnac		0.70			0.83			0.06			0.01			0.05	
EQT 0004 017 - Plate Shop Blast Pl		0.15			0.18			0.01			<0.01			0.01	
EQT 0006 019 - Plate Shop Blast Pl		0.33			0.39			0.03			<0.01			0.02	
EQT 0007 022A - Portable Boiler		0.86			1.03			0.08			0.01			0.06	
EQT 0010 022G - Portable Boiler		0.86			1.03			0.08			0.01			0.06	
EQT 0011 022H - Portable Boiler		0.86			1.03			0.08			0.01			0.06	
EQT 0012 024 - Shot Blast Tumble								<0.01							
EQT 0016 037 - Steel Shot Panel L								0.01							
EQT 0017 041 - Carpentry Shop Du								0.16							
EQT 0021 050D - Gasoline Storage													0.11	0.11	0.50
EQT 0022 050E - Gasoline Storage													0.42	0.42	1.85
EQT 0024 053 - Pipe Shop Dust Co								0.01							
EQT 0027 066A - Plate Shop Blast								<0.01							
EQT 0033 073A - Portable Dust Col								<0.01							
EQT 0034 073B - Portable Dust Col								<0.01							
EQT 0037 078A - Portable Vacuum								0.03							
EQT 0038 078B - Portable Vacuum								0.03							
EQT 0039 078C - Portable Vacuum								0.03							
EQT 0040 078D - Portable Vacuum								0.03							
EQT 0041 078E - Portable Vacuum								0.03							
EQT 0042 078F - Portable Vacuum								0.03							

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
EQT 0043 078G - Portable Vacuum								0.03							
EQT 0044 078H - Portable Vacuum								0.03							
EQT 0045 080 - T-Beam Blaster Du								0.02							
EQT 0046 082 - Forging Furnace (B		0.33			0.39			0.03			<0.01			0.02	
EQT 0047 085A - Paint Room Heate		0.37			0.44			0.03			<0.01			0.02	
EQT 0048 085B - Paint Room Heate		0.37			0.44			0.03			<0.01			0.02	
EQT 0049 085C - Paint Room Heate		0.37			0.44			0.03			<0.01			0.02	
EQT 0055 088 - Deck Blaster Dust (								<0.01							
EQT 0056 089 - Deck Blaster Dust (								<0.01							
EQT 0057 090 - Deck Blaster Dust (								<0.01							
EQT 0058 091 - Versablast Dust Co								0.01							
EQT 0059 092 - Versablast Dust Co								0.01							
EQT 0060 093 - Versablast Dust Co								0.01							
EQT 0061 094 - Versablast Dust Co								0.01							
EQT 0062 095A - Cooling Tower No							<0.01	<0.01	0.01				0.05	0.05	0.24
EQT 0063 095B - Cooling Tower No							<0.01	<0.01	0.01				0.05	0.05	0.24
EQT 0064 095C - Cooling Tower No							<0.01	<0.01	0.01				0.05	0.05	0.24
EQT 0065 095D - Cooling Tower No							<0.01	<0.01	0.01				0.05	0.05	0.24
EQT 0066 096A - Portable Dust Col								<0.01							
EQT 0070 096E - Portable Dust Col								<0.01							
EQT 0071 096F - Portable Dust Coll								<0.01							
EQT 0072 096G - Portable Dust Col								<0.01							
EQT 0073 096H - Portable Dust Col								<0.01							

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
EQT 0074 096I - Portable Dust Coll								<0.01							
EQT 0075 096J - Portable Dust Coll								<0.01							
EQT 0076 098 - Diesel Loading													0.01	0.01	0.05
EQT 0077 099 - Sheet Metal Burn n		0.03			0.04			<0.01			<0.01			<0.01	
EQT 0078 100 - Sheet Metal Burn n		0.03			0.04			<0.01			<0.01			<0.01	
EQT 0079 101 - Onsite Training Sch		0.03			0.04			0.01			<0.01			<0.01	
EQT 0080 103 - Welding Blowdown								<0.01							
EQT 0081 104 - Package Blasting U								<0.01							
EQT 0088 112A - Diesel Water Blas		1.10			5.09			0.36			0.33			0.42	
EQT 0089 112B - Diesel Water Blas		1.10			5.09			0.36			0.33			0.42	
EQT 0090 112C - Diesel Water Blas		1.10			5.09			0.36			0.33			0.42	
EQT 0091 112D - Diesel Water Blas		1.10			5.09			0.36			0.33			0.42	
EQT 0092 112E - Diesel Water Blas		1.10			5.12			0.36			0.34			0.41	
EQT 0093 1-94 - Dry Dock Diesel E		8.47			36.96			0.89			0.62			1.09	
EQT 0094 2-94 - Dry Dock Diesel E		8.47			36.96			0.89			0.62			1.09	
EQT 0098 GF9 - Water Heater		2.22			2.65			0.20			0.02			0.15	
EQT 0099 GF23 - ASI 5141 Deck S														<0.01	
EQT 0100 GF24 - ASI 5141 Diesel		1.40			6.51			0.46			0.43			0.53	
EQT 0101 GF39 - ASI 2483 Diesel		1.14			5.27			0.37			0.35			0.43	
EQT 0102 GF48 - ASI 5389 Diesel		1.14			5.27			0.37			0.35			0.43	
EQT 0103 GF49 - "Polluton Barge"														0.47	
EQT 0104 GF50 - Barge and Ship T														2.18	
EQT 0105 GF51 - Product Loading/														0.13	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
EQT 0106 GF52 - Pollution Barge N														0.12	
EQT 0107 GF53 - Pollution Barge N														0.12	
EQT 0108 GF54 - Pollution Barge N														0.12	
EQT 0109 GF55 - Pollution Barge N														0.12	
EQT 0110 GF56 - Tank Truck Loadi														0.52	
EQT 0115 096B - Portable Dust Col								<0.01							
EQT 0116 096C - Portable Dust Col								<0.01							
EQT 0117 096D - Portable Dust Col								<0.01							
EQT 0124 018A - Plate Shop Blast I								0.07							
EQT 0125 018B - Plate Shop Blast I								0.07							
EQT 0126 018C - Plate Shop Blast I								0.07							
EQT 0127 032A - Structural Blast Pl								0.02							
EQT 0128 032B - Structural Blast Pl								0.02							
EQT 0131 045A - Blast Room Shot I								<0.01							
EQT 0132 045B - Blast Room Shot I								<0.01							
EQT 0133 046A - Blast and Clean R								<0.01							
EQT 0134 046B - Blast and Clean R								<0.01							
EQT 0135 046C - Blast and Clean R								<0.01							
EQT 0136 046D - Blast and Clean R								<0.01							
EQT 0137 046E - Blast and Clean R								<0.01							
EQT 0138 046F - Blast and Clean R								<0.01							
EQT 0139 046G - Blast and Clean R								<0.01							
EQT 0140 046H - Blast and Clean R								<0.01							

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
EQT 0149 087A1 - New Shot House								<0.01							
EQT 0150 087A2 - New Shot House								<0.01							
EQT 0151 087B1 - New Shot House								<0.01							
EQT 0152 087B2 - New Shot House								<0.01							
EQT 0153 087E - New Shot House								<0.01							
EQT 0154 GF10 - ASI 5177 Heating														0.06	
EQT 0155 GF11 - ASI 5177 Clarifie														0.06	
EQT 0156 GF12 - ASI 5177 Heating														0.06	
EQT 0157 GF13 - ASI 5177 Heating														0.06	
EQT 0158 GF25 - ASI 5177 Heating														0.06	
EQT 0159 GF26 - ASI 5177 Heating														0.06	
EQT 0160 GF15 - ASI 5141 Storage														0.08	
EQT 0161 GF16 - ASI 5141 Storage														0.08	
EQT 0164 GF19 - ASI 5141 Separa														0.22	
EQT 0165 GF20 - ASI 5141 Separa														0.22	
EQT 0166 GF21 - ASI 5141 Separa														0.22	
EQT 0167 GF31 - ASI 2483 Storage														0.06	
EQT 0168 GF32 - ASI 2483 Storage														0.06	
EQT 0169 GF33 - ASI 2483 Storage														0.05	
EQT 0170 GF34 - ASI 2483 Storage														0.05	
EQT 0171 GF35 - ASI 2483 Storage														0.05	
EQT 0172 GF36 - ASI 2483 Storage														0.05	
EQT 0173 GF37 - ASI 2483 Storage														0.07	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
EQT 0174 GF38 - ASI 2483 Storage														0.07	
EQT 0175 GF40 - ASI 5389 Storage														0.09	
EQT 0176 GF41 - ASI 5389 Storage														0.09	
EQT 0177 GF44 - ASI 5389 Storage														0.09	
EQT 0178 GF45 - ASI 5389 Storage														0.09	
EQT 0179 GF46 - ASI 5389 Storage														0.09	
EQT 0180 GF47 - ASI 5389 Storage														0.09	
EQT 0183 031D - Plate Shop Blast								<0.01						43.64	
EQT 0185 035D - Structural Blast P								<0.01						2.42	
EQT 0187 049 - Paint Room Exhaus								0.07						6.17	
EQT 0188 054 - Pipe Shop Paint Bo								<0.01						1.23	
EQT 0189 097 - New Shot House P								0.32						26.67	
EQT 0190 087F1 - New Shot House								0.03							
EQT 0191 087F2 - New Shot House								0.03							
EQT 0192 117 - Crane Movement D		1.34			6.20			0.44			0.41			0.50	
EQT 0193 064A - Oxyfuel Burning a		0.03			0.04			0.01			<0.01			<0.01	
EQT 0194 064B - Oxyfuel Burning a		0.03			0.04			0.01			<0.01			<0.01	
EQT 0195 064C - Oxyfuel Burning a		0.03			0.04			0.01			<0.01			<0.01	
EQT 0196 064D - Oxyfuel Burning a		0.03			0.04			0.01			<0.01			<0.01	
EQT 0197 064E - Oxyfuel Burning a		0.03			0.04			0.01			<0.01			<0.01	
EQT 0198 064F - Oxyfuel Burning a		0.03			0.04			0.01			<0.01			<0.01	
EQT 0199 064G - Oxyfuel Burning a		0.03			0.04			0.01			<0.01			<0.01	
EQT 0200 GF17 - ASI 5141 Storage														<0.01	

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
EQT 0201 GF18 - ASI 5141 Storage														<0.01	
EQT 0202 GF22 - ASI 5141 Storage														<0.01	
EQT 0203 GF42 - ASI 5389 Storage														<0.01	
EQT 0204 GF43 - ASI 5389 Storage														<0.01	
EQT 0205 068A - Plasma Burning M					0.87			<0.01							
EQT 0206 069A - Plasma Burning M					0.87			<0.01							
EQT 0207 070A - Plasma Burning M					0.87			<0.01							
EQT 0208 072 - Plasma Splitter/Def					0.87			<0.01							
EQT 0211 068B - Plasma Burning M					0.87			<0.01							
EQT 0212 069B - Plasma Burning M					0.87			<0.01							
EQT 0213 070B - Plasma Burning M					0.87			<0.01							
EQT 0214 118A - Wet Plasma Burn					0.19			0.03							
EQT 0215 118B - Wet Plasma Burn					0.19			0.03							
FUG 0003 FSA - Fugitives From Spr							0.05	0.05	0.08						
FUG 0004 FCS - Carpentry Shop Fu							0.83	0.83	0.04						
FUG 0005 FG - Fugitives From Glue													12.16	12.16	53.26
FUG 0006 FW - Fugitives From Wel							1.58	4.72	20.66						
FUG 0007 FFA - Fugitives From Fib													0.04	11.56	0.19
FUG 0008 GF14 - Gas Free Plant F														0.83	
FUG 0009 FFR - Fugitives from Fac							2.76	2.76	12.67						
GRP 0004 SC-CAP							14.61		64.00				122.47		538.90
GRP 0005 GFP-CAP													6.78		24.66
GRP 0006 PDC-CAP							0.23		0.77						

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EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
GRP 0007 FBH-CAP							0.49		0.83						
GRP 0008 MNGC-CAP	7.96		21.44	9.48		25.52	0.72		1.94	0.04		0.15	0.52		1.40
GRP 0009 MDC-CAP	27.44		15.29	122.66		69.79	5.23		4.08	4.46		3.70	6.14		4.71
GRP 0010 BCM-CAP	0.33		1.29	4.26		11.19	0.14		0.51	<0.01		0.01	<0.01		0.08
RLP 0013 007A - 007 - Stress Relie		1.34			1.59			0.12			0.01			0.09	
RLP 0014 007B - 007 - Stress Relie		1.34			1.59			0.12			0.01			0.09	
RLP 0015 007C - 007 - Stress Relie		1.34			1.59			0.12			0.01			0.09	
RLP 0016 007D - 007 - Stress Relie		1.34			1.59			0.12			0.01			0.09	
RLP 0017 007E - 007 - Stress Relie		1.34			1.59			0.12			0.01			0.09	
RLP 0018 007F - 007 - Stress Relie		1.34			1.59			0.12			0.01			0.09	
RLP 0020 016A, 016SCA - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0021 016B, 016SCB - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0022 016C, 016SCC - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0023 016D, 016SCD - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0024 016E, 016SCE - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0025 016F, 016SCF - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0026 016G, 016SCG - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0027 016H, 016SCH - 016 - Pl							<0.01	<0.01	<0.01					0.44	
RLP 0037 034A, 034SCA - 034 - St							<0.01	<0.01	<0.01					0.02	
RLP 0038 034B, 034SCB - 034 - St							<0.01	<0.01	<0.01					0.02	
RLP 0039 034C, 034SCC - 034 - St							<0.01	<0.01	<0.01					0.02	
RLP 0040 034D, 034SCD - 034 - St							<0.01	<0.01	<0.01					0.02	
RLP 0041 034E, 034SCE - 034 - St							<0.01	<0.01	<0.01					0.02	

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AI ID: 593 - Northrop Grumman Shipbuilding Inc
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Air - Title V Regular Permit Minor Mod

	CO			NOx			PM10			SO2			VOC		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Avondale Shipyard															
RLP 0170 036A - Structural Blast Pl		0.26			0.31			0.02			<0.01			0.02	
RLP 0171 036B - Structural Blast Pl		0.26			0.31			0.02			<0.01			0.02	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0001 056 - Outdoor Blasting	Total suspended particulate	2.05	2.05	8.98
ARE 0002 057 - Outdoor Painting	1,1,1-Trichloroethane		19.047	
	1,3-Butadiene		0.627	
	1,4-Dichlorobenzene		19.047	
	Benzene		8.177	
	Benzyl chloride		19.047	
	Carbon tetrachloride		4.544	
	Cobalt compounds		8.125	
	Copper (and compounds)		1.091	
	Cumene		19.047	
	Dibutyl phthalate		6.274	
	Ethyl benzene		19.047	
	Ethylene glycol		19.047	
	Ethylene oxide		0.681	
	Formaldehyde		5.242	
	Glycol ethers (Table 51.1)		19.047	
	Lead compounds		0.165	
	Methanol		19.047	
	Methyl ethyl ketone		19.047	
	Methyl isobutyl ketone		19.047	
	Naphthalene		19.047	
	Nickel (and compounds)		0.093	
	Phenol		19.047	
	Polynuclear Aromatic Hydrocarbons		0.041	
	Propylene oxide		19.047	
	Toluene		19.047	
	Toluene-2,4-diisocyanate		0.045	
	Total suspended particulate		28.44	
	Trichloroethylene		19.047	
	Vinyl acetate		19.047	
	Xylene (mixed isomers)		19.047	
	Zinc (and compounds)		8.125	
	n-butyl alcohol		19.047	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
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Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0002 008 - Anole/Plate Furnace (Bldo 2	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.06	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.015	
EQT 0004 017 - Plate Shop Blast Plant Pre-C	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.003	
EQT 0006 019 - Plate Shop Blast Plant Final	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.03	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.007	
EQT 0007 022A - Portable Boiler	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.08	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.019	
EQT 0010 022G - Portable Boiler	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.08	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.019	
EQT 0011 022H - Portable Boiler	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0011 022H - Portable Boiler	Total suspended particulate		0.08	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.019	
EQT 0012 024 - Shot Blast Tumble Unit Dust	Total suspended particulate		<0.01	
EQT 0016 037 - Steel Shot Panel Line Edge I	Total suspended particulate		0.02	
EQT 0017 041 - Carpentry Shop Dust Collect	Total suspended particulate		0.32	
EQT 0021 050D - Gasoline Storage Tank No	2,2,4-Trimethylpentane	<0.001	<0.001	<0.001
	Benzene	0.001	0.001	0.003
	Cumene	<0.001	<0.001	<0.001
	Ethyl benzene	<0.001	<0.001	<0.001
	Toluene	0.001	0.001	0.004
	Xylene (mixed isomers)	<0.001	<0.001	0.001
	n-Hexane	<0.001	<0.001	<0.001
EQT 0022 050E - Gasoline Storage Tank No.	2,2,4-Trimethylpentane	0.003	0.003	0.013
	Benzene	0.003	0.003	0.011
	Cumene	<0.001	<0.001	<0.001
	Ethyl benzene	<0.001	<0.001	0.001
	Toluene	0.003	0.003	0.013
	Xylene (mixed isomers)	0.001	0.001	0.004
	n-Hexane	0.002	0.002	0.010
EQT 0024 053 - Pipe Shop Dust Collector (Bl	Total suspended particulate		0.02	
EQT 0027 066A - Plate Shop Blast Building \	Total suspended particulate		0.01	
EQT 0033 073A - Portable Dust Collector A	Total suspended particulate		0.01	
EQT 0034 073B - Portable Dust Collector B	Total suspended particulate		0.01	
EQT 0037 078A - Portable Vacuum Trailer 1	Total suspended particulate		0.05	
EQT 0038 078B - Portable Vacuum Trailer 2	Total suspended particulate		0.05	
EQT 0039 078C - Portable Vacuum Trailer 3	Total suspended particulate		0.05	
EQT 0040 078D - Portable Vacuum Trailer 4	Total suspended particulate		0.05	
EQT 0041 078E - Portable Vacuum Trailer 5	Total suspended particulate		0.05	
EQT 0042 078F - Portable Vacuum Trailer 6	Total suspended particulate		0.05	
EQT 0043 078G - Portable Vacuum Trailer 7	Total suspended particulate		0.05	
EQT 0044 078H - Portable Vacuum Trailer 8	Total suspended particulate		0.05	
EQT 0045 080 - T-Beam Blaster Dust Collect	Total suspended particulate		0.04	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0046 082 - Forging Furnace (Bldg 214)	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.03	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.007	
EQT 0047 085A - Paint Room Heater	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.03	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.008	
EQT 0048 085B - Paint Room Heater	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.03	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.008	
EQT 0049 085C - Paint Room Heater	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.03	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.008	
EQT 0055 088 - Deck Blaster Dust Collector	Total suspended particulate		<0.01	
EQT 0056 089 - Deck Blaster Dust Collector	Total suspended particulate		<0.01	
EQT 0057 090 - Deck Blaster Dust Collector	Total suspended particulate		<0.01	
EQT 0058 091 - Versablast Dust Collector	Total suspended particulate		0.01	
EQT 0059 092 - Versablast Dust Collector	Total suspended particulate		0.01	
EQT 0060 093 - Versablast Dust Collector	Total suspended particulate		0.01	
EQT 0061 094 - Versablast Dust Collector	Total suspended particulate		0.01	
EQT 0062 095A - Cooling Tower No. 1	Total suspended particulate	0.01	0.01	0.05
EQT 0063 095B - Cooling Tower No. 2	Total suspended particulate	0.01	0.01	0.05

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0064 095C - Cooling Tower No. 3	Total suspended particulate	0.01	0.01	0.05
EQT 0065 095D - Cooling Tower No. 4	Total suspended particulate	0.01	0.01	0.05
EQT 0066 096A - Portable Dust Collector 1	Total suspended particulate		<0.01	
EQT 0070 096E - Portable Dust Collector 5	Total suspended particulate		<0.01	
EQT 0071 096F - Portable Dust Collector 6	Total suspended particulate		<0.01	
EQT 0072 096G - Portable Dust Collector 7	Total suspended particulate		<0.01	
EQT 0073 096H - Portable Dust Collector 8	Total suspended particulate		<0.01	
EQT 0074 096I - Portable Dust Collector 9	Total suspended particulate		<0.01	
EQT 0075 096J - Portable Dust Collector 10	Total suspended particulate		<0.01	
EQT 0076 098 - Diesel Loading	Benzene	<0.001	<0.001	<0.001
	Ethyl benzene	<0.001	<0.001	<0.001
	Toluene	<0.001	<0.001	0.001
	Xylene (mixed isomers)	0.001	0.001	0.003
	n-Hexane	<0.001	<0.001	<0.001
EQT 0077 099 - Sheet Metal Burning Table N	Chromium VI (and compounds)		<0.001	
	Cobalt compounds		<0.001	
	Copper (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		<0.001	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		<0.01	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.001	
EQT 0078 100 - Sheet Metal Burning Table N	Chromium VI (and compounds)		<0.001	
	Cobalt compounds		<0.001	
	Copper (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		<0.001	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		<0.01	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.001	
EQT 0079 101- Onsite Training School Burni	Chromium VI (and compounds)		0.002	

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EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0079 101- Onsite Training School Burnu	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	
EQT 0080 103 - Welding Blowdown Dust Col	Total suspended particulate		<0.01	
EQT 0081 104 - Package Blasting Unit	Total suspended particulate		0.01	
EQT 0088 112A - Diesel Water Blast Rig	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.001	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.36	
	Xylene (mixed isomers)		<0.001	
EQT 0089 112B - Diesel Water Blaster No 1	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.001	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.36	
	Xylene (mixed isomers)		<0.001	
EQT 0090 112C - Diesel Water Blaster No 2	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.001	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.36	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
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Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0090 112C - Diesel Water Blaster No. 2	Xylene (mixed isomers)		<0.001	
EQT 0091 112D - Diesel Water Blaster No. 3	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.001	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.36	
	Xylene (mixed isomers)		<0.001	
EQT 0092 112E - Diesel Water Blaster No. 4	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.001	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.36	
	Xylene (mixed isomers)		<0.001	
EQT 0093 1-94 - Dry Dock Diesel Engine	Acetaldehyde		<0.001	
	Benzene		0.008	
	Formaldehyde		0.001	
	Naphthalene		0.001	
	Polynuclear Aromatic Hydrocarbons		0.001	
	Toluene		0.003	
	Total suspended particulate		1.08	
	Xylene (mixed isomers)		0.002	
EQT 0094 2-94 - Dry Dock Diesel Engine	Acetaldehyde		<0.001	
	Benzene		0.008	
	Formaldehyde		0.001	
	Naphthalene		0.001	
	Polynuclear Aromatic Hydrocarbons		0.001	
	Toluene		0.003	
	Total suspended particulate		1.08	
	Xylene (mixed isomers)		0.002	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0098 GF9 - Water Heater	Barium (and compounds)		<0.001	
	Formaldehyde		0.002	
	Toluene		<0.001	
	Total suspended particulate		0.20	
	Zinc (and compounds)		0.001	
	n-Hexane		0.048	
EQT 0100 GF24 - ASI 5141 Diesel Engine	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.002	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		0.001	
	Total suspended particulate		0.46	
	Xylene (mixed isomers)		<0.001	
EQT 0101 GF39 - ASI 2483 Diesel Engine	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.001	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.37	
	Xylene (mixed isomers)		<0.001	
EQT 0102 GF48 - ASI 5389 Diesel Engine	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.001	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.37	
	Xylene (mixed isomers)		<0.001	
EQT 0103 GF49 - "Pollution Barge" Loading	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.020	
	Cumene		<0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Activity Number: PER20060008
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0103 GF49 - "Pollution Barge" Loading/	Ethyl benzene		0.001	
	Hydrogen sulfide		0.036	
	Naphthalene		0.007	
	Toluene		0.010	
	Xylene (mixed isomers)		0.004	
	n-Hexane		0.155	
EQT 0104 GF50 - Barge and Ship Tank Vent	Benzene		0.004	
	Ethyl benzene		0.007	
	Toluene		0.050	
	Xylene (mixed isomers)		0.130	
	n-Hexane		0.001	
EQT 0105 GF51 - Product Loading/Unloading	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.005	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.010	
	Naphthalene		0.002	
	Toluene		0.003	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.043	
EQT 0106 GF52 - Pollution Barge No. 1-1S	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.005	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.009	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.039	
EQT 0107 GF53 - Pollution Barge No. 1-1P	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.005	
	Cumene		<0.001	
	Ethyl benzene		<0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0107 GF53 - Pollution Barge No 1-1P	Hydrogen sulfide		0.009	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.039	
EQT 0108 GF54 - Pollution Barge No 5-1S	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.005	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.009	
	Naphthalene		0.001	
	Toluene		0.003	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.040	
EQT 0109 GF55 - Pollution Barge No 5-1P	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.005	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.009	
	Naphthalene		0.001	
	Toluene		0.003	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.040	
EQT 0110 GF56 - Tank Truck Loading	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.021	
	Cumene		<0.001	
	Ethyl benzene		0.001	
	Hydrogen sulfide		0.039	
	Naphthalene		0.008	
	Toluene		0.011	
	Xylene (mixed isomers)		0.004	
	n-Hexane		0.169	
EQT 0115 09GB - Portable Dust Collector 2	Total suspended particulate		<0.01	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0116 096C - Portable Dust Collector 3	Total suspended particulate		<0.01	
EQT 0117 096D - Portable Dust Collector 4	Total suspended particulate		<0.01	
EQT 0124 018A - Plate Shop Blast Plant Dus	Total suspended particulate		0.14	
EQT 0125 018B - Plate Shop Blast Plant Dus	Total suspended particulate		0.14	
EQT 0126 018C - Plate Shop Blast Plant Dus	Total suspended particulate		0.14	
EQT 0127 032A - Structural Blast Plant Dust	Total suspended particulate		0.03	
EQT 0128 032B - Structural Blast Plant Dust	Total suspended particulate		0.03	
EQT 0131 045A - Blast Room Shot Reclaime	Total suspended particulate		0.01	
EQT 0132 045B - Blast Room Shot Reclaime	Total suspended particulate		0.01	
EQT 0133 046A - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0134 046B - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0135 046C - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0136 046D - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0137 046E - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0138 046F - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0139 046G - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0140 046H - Blast and Clean Room Dus	Total suspended particulate		0.01	
EQT 0149 087A1 - New Shot House Dust Co	Total suspended particulate		<0.01	
EQT 0150 087A2 - New Shot House Dust Co	Total suspended particulate		<0.01	
EQT 0151 087B1 - New Shot House Dust Co	Total suspended particulate		<0.01	
EQT 0152 087B2 - New Shot House Dust Co	Total suspended particulate		<0.01	
EQT 0153 087E - New Shot House Dust Coll	Total suspended particulate		<0.01	
EQT 0154 GF10 - ASI 5177 Heating, Aeratior	2,2,4-Trimethylpentane		<0.001	
	Benzene		<0.001	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		<0.001	
	Naphthalene		<0.001	
	Toluene		<0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.003	
EQT 0155 GF11 - ASI 5177 Clarifier Bulkhea	2,2,4-Trimethylpentane		<0.001	
	Benzene		<0.001	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0155 GF11 - ASI 5177 Clanfier Bulkhea	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		<0.001	
	Naphthalene		<0.001	
	Toluene		<0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.003	
EQT 0156 GF12 - ASI 5177 Heating Aeratio	2,2,4-Trimethylpentane		<0.001	
	Benzene		<0.001	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		<0.001	
	Naphthalene		<0.001	
	Toluene		<0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.003	
EQT 0157 GF13 - ASI 5177 Heating, Aeratio	2,2,4-Trimethylpentane		<0.001	
	Benzene		<0.001	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		<0.001	
	Naphthalene		<0.001	
	Toluene		<0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.003	
EQT 0158 GF25 - ASI 5177 Heating & Aerati	2,2,4-Trimethylpentane		<0.001	
	Benzene		<0.001	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		<0.001	
	Naphthalene		<0.001	
	Toluene		<0.001	
	Xylene (mixed isomers)		<0.001	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0158 GF25 - ASI 5177 Heating & Aerati	n-Hexane		0.003	
EQT 0159 GF26 - ASI 5177 Heating, Aeratio	2,2,4-Trimethylpentane		<0.001	
	Benzene		<0.001	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		<0.001	
	Naphthalene		<0.001	
	Toluene		<0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.003	
EQT 0160 GF15 - ASI 5141 Storage Tank 1S	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.003	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.006	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.025	
EQT 0161 GF16 - ASI 5141 Storage Tank 1P	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.003	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.006	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.025	
EQT 0164 GF19 - ASI 5141 Separation & Se	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.009	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.017	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0164 GF19 - ASI 5141 Separation & Se	Naphthalene		0.003	
	Toluene		0.005	
	Xylene (mixed isomers)		0.002	
	n-Hexane		0.075	
EQT 0165 GF20 - ASI 5141 Separation & Se	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.009	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.017	
	Naphthalene		0.003	
	Toluene		0.005	
	Xylene (mixed isomers)		0.002	
	n-Hexane		0.075	
EQT 0166 GF21 - ASI 5141 Separation Tank	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.009	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.017	
	Naphthalene		0.003	
	Toluene		0.005	
	Xylene (mixed isomers)		0.002	
	n-Hexane		0.075	
EQT 0167 GF31 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.002	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.004	
	Naphthalene		0.001	
	Toluene		0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.019	
EQT 0168 GF32 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.002	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0168 GF32 - ASI 2483 Storage/Oily Wa	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.004	
	Naphthalene		0.001	
	Toluene		0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.019	
EQT 0169 GF33 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.002	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.003	
	Naphthalene		0.001	
	Toluene		0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.015	
EQT 0170 GF34 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.002	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.003	
	Naphthalene		0.001	
	Toluene		0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.015	
EQT 0171 GF35 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.002	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.003	
	Naphthalene		0.001	
	Toluene		0.001	
	Xylene (mixed isomers)		<0.001	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0171 GF35 - ASI 2483 Storage/Oily Wa	n-Hexane		0.015	
EQT 0172 GF36 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.002	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.003	
	Naphthalene		0.001	
	Toluene		0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		0.015	
EQT 0173 GF37 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.003	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.006	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.024	
EQT 0174 GF38 - ASI 2483 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.003	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.006	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.024	
EQT 0175 GF40 - ASI 5389 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.004	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.007	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0175 GF40 - ASI 5389 Storage/Oily Wa	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.031	
EQT 0176 GF41 - ASI 5389 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.004	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.007	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.031	
EQT 0177 GF44 - ASI 5389 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.004	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.007	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.031	
EQT 0178 GF45 - ASI 5389 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.004	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.007	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.031	
EQT 0179 GF46 - ASI 5389 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.004	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0179 GF46 - ASI 5389 Storage/Oily Wa	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.007	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.031	
EQT 0180 GF47 - ASI 5389 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.004	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		0.007	
	Naphthalene		0.001	
	Toluene		0.002	
	Xylene (mixed isomers)		0.001	
	n-Hexane		0.031	
EQT 0183 031D - Plate Shop Blast Plant Pau	1,1,1-Trichloroethane		19.640	
	1,3-Butadiene		0.647	
	1,4-Dichlorobenzene		19.640	
	Benzene		8.432	
	Benzyl chloride		19.640	
	Carbon tetrachloride		4.686	
	Cobalt compounds		8.378	
	Copper (and compounds)		1.126	
	Cumene		19.640	
	Dibutyl phthalate		6.470	
	Ethyl benzene		19.640	
	Ethylene glycol		19.640	
	Ethylene oxide		0.703	
	Formaldehyde		5.406	
	Glycol ethers (Table 51.1)		19.640	
	Lead compounds		0.170	
	Methanol		19.640	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0183 031D - Plate Shop Blast Plant Pai	Methyl ethyl ketone		19.640	
	Methyl isobutyl ketone		19.640	
	Naphthalene		19.640	
	Nickel (and compounds)		0.096	
	Phenol		19.640	
	Polynuclear Aromatic Hydrocarbons		0.042	
	Propylene oxide		19.640	
	Toluene		19.640	
	Toluene-2,4-diisocyanate		0.047	
	Total suspended particulate		<0.01	
	Trichloroethylene		19.640	
	Vinyl acetate		19.640	
	Xylene (mixed isomers)		19.640	
	Zinc (and compounds)		8.378	
	n-butyl alcohol		19.640	
EQT 0185 035D - Structural Blast Plant Paint	1,1,1-Trichloroethane		1.091	
	1,3-Butadiene		0.036	
	1,4-Dichlorobenzene		1.091	
	Benzene		0.468	
	Benzyl chloride		1.091	
	Carbon tetrachloride		0.260	
	Cobalt compounds		0.465	
	Copper (and compounds)		0.063	
	Cumene		1.091	
	Dibutyl phthalate		0.359	
	Ethyl benzene		1.091	
	Ethylene glycol		1.091	
	Ethylene oxide		0.039	
	Formaldehyde		0.300	
	Glycol ethers (Table 51.1)		1.091	
	Lead compounds		0.01	
	Methanol		1.091	
	Methyl ethyl ketone		1.091	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0185 035D - Structural Blast Plant Paint	Methyl isobutyl ketone		1.091	
	Naphthalene		1.091	
	Nickel (and compounds)		0.005	
	Phenol		1.091	
	Polynuclear Aromatic Hydrocarbons		0.002	
	Propylene oxide		1.091	
	Toluene		1.091	
	Toluene-2,4-diisocyanate		0.003	
	Total suspended particulate		<0.01	
	Trichloroethylene		1.091	
	Vinyl acetate		1.091	
	Xylene (mixed isomers)		1.091	
	Zinc (and compounds)		0.465	
	n-butyl alcohol		1.091	
EQT 0187 049 - Paint Room Exhaust (Bldg E	1,1,1-Trichloroethane		2.776	
	1,3-Butadiene		0.091	
	1,4-Dichlorobenzene		2.776	
	Benzene		1.192	
	Benzyl chloride		2.776	
	Carbon tetrachloride		0.662	
	Cobalt compounds		1.184	
	Copper (and compounds)		0.159	
	Cumene		2.776	
	Dibutyl phthalate		0.914	
	Ethyl benzene		2.776	
	Ethylene glycol		2.776	
	Ethylene oxide		0.099	
	Formaldehyde		0.764	
	Glycol ethers (Table 51.1)		2.776	
	Lead compounds		0.02	
	Methanol		2.776	
	Methyl ethyl ketone		2.776	
	Methyl isobutyl ketone		2.776	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0187 049 - Paint Room Exhaust (Bldg. E	Naphthalene		2.776	
	Nickel (and compounds)		0.014	
	Phenol		2.776	
	Polynuclear Aromatic Hydrocarbons		0.006	
	Propylene oxide		2.776	
	Toluene		2.776	
	Toluene-2,4-diisocyanate		0.007	
	Total suspended particulate		0.15	
	Trichloroethylene		2.776	
	Vinyl acetate		2.776	
	Xylene (mixed isomers)		2.776	
	Zinc (and compounds)		1.184	
	n-butyl alcohol		2.776	
EQT 0188 054 - Pipe Shop Paint Booth (Bldg	1,1,1-Trichloroethane		0.555	
	1,3-Butadiene		0.018	
	1,4-Dichlorobenzene		0.555	
	Benzene		0.238	
	Benzyl chloride		0.555	
	Carbon tetrachloride		0.132	
	Cobalt compounds		0.237	
	Copper (and compounds)		0.032	
	Cumene		0.555	
	Dibutyl phthalate		0.183	
	Ethyl benzene		0.555	
	Ethylene glycol		0.555	
	Ethylene oxide		0.020	
	Formaldehyde		0.153	
	Glycol ethers (Table 51.1)		0.555	
	Lead compounds		<0.01	
	Methanol		0.555	
	Methyl ethyl ketone		0.555	
	Methyl isobutyl ketone		0.555	
	Naphthalene		0.555	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0188 054 - Pipe Shop Paint Booth (Bldg	Nickel (and compounds)		0.003	
	Phenol		0.555	
	Polynuclear Aromatic Hydrocarbons		0.001	
	Propylene oxide		0.555	
	Toluene		0.555	
	Toluene-2,4-diisocyanate		0.001	
	Total suspended particulate		<0.01	
	Trichloroethylene		0.555	
	Vinyl acetate		0.555	
	Xylene (mixed isomers)		0.555	
	Zinc (and compounds)		0.237	
	n-butyl alcohol		0.555	
EQT 0189 097 - New Shot House Painting E	1,1,1-Trichloroethane		12.002	
	1,3-Butadiene		0.395	
	1,4-Dichlorobenzene		12.002	
	Benzene		5.153	
	Benzyl chloride		12.002	
	Carbon tetrachloride		2.864	
	Cobalt compounds		5.120	
	Copper (and compounds)		0.688	
	Cumene		12.002	
	Dibutyl phthalate		3.954	
	Ethyl benzene		12.002	
	Ethylene glycol		12.002	
	Ethylene oxide		0.429	
	Formaldehyde		3.304	
	Glycol ethers (Table 51.1)		12.002	
	Lead compounds		0.10	
	Methanol		12.002	
	Methyl ethyl ketone		12.002	
	Methyl isobutyl ketone		12.002	
	Naphthalene		12.002	
	Nickel (and compounds)		0.059	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0189 097 - New Shot House Painting Ex	Phenol		12.002	
	Polynuclear Aromatic Hydrocarbons		0.026	
	Propylene oxide		12.002	
	Toluene		12.002	
	Toluene-2,4-diisocyanate		0.029	
	Total suspended particulate		0.639	
	Trichloroethylene		12.002	
	Vinyl acetate		12.002	
	Xylene (mixed isomers)		12.002	
	Zinc (and compounds)		5.120	
	n-butyl alcohol		12.002	
EQT 0190 087F1 - New Shot House Abrasive	Total suspended particulate		0.06	
EQT 0191 087F2 - New Shot House Abrasive	Total suspended particulate		0.06	
EQT 0192 117 - Crane Movement Diesel Ger	Acetaldehyde		0.001	
	Benzene		0.001	
	Formaldehyde		0.002	
	Naphthalene		<0.001	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Toluene		0.001	
	Total suspended particulate		0.44	
	Xylene (mixed isomers)		<0.001	
EQT 0193 064A - Oxyfuel Burning and Cuttin	Chromium VI (and compounds)		0.002	
	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	
EQT 0194 064B - Oxyfuel Burning and Cuttin	Chromium VI (and compounds)		0.002	
	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	

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EQT 0194 064B - Oxyfuel Burning and Cutin	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	
EQT 0195 064C - Oxyfuel Burning and Cutin	Chromium VI (and compounds)		0.002	
	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	
EQT 0196 064D - Oxyfuel Burning and Cutin	Chromium VI (and compounds)		0.002	
	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	
EQT 0197 064E - Oxyfuel Burning and Cutin	Chromium VI (and compounds)		0.002	
	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	

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EQT 0198 064F - Oxyfuel Burning and Cuttin	Chromium VI (and compounds)		0.002	
	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	
EQT 0199 064G - Oxyfuel Burning and Cuttin	Chromium VI (and compounds)		0.002	
	Cobalt compounds		<0.001	
	Copper (and compounds)		0.001	
	Formaldehyde		<0.001	
	Manganese (and compounds)		0.002	
	Nickel (and compounds)		<0.001	
	Total suspended particulate		0.01	
	Zinc (and compounds)		0.001	
	n-Hexane		0.001	
EQT 0203 GF42 - ASI 5389 Storage/Oily Wa	2,2,4-Trimethylpentane		<0.001	
	Benzene		<0.001	
	Cumene		<0.001	
	Ethyl benzene		<0.001	
	Hydrogen sulfide		<0.001	
	Naphthalene		<0.001	
	Toluene		<0.001	
	Xylene (mixed isomers)		<0.001	
	n-Hexane		<0.001	
EQT 0205 068A - Plasma Burning Machine 1	Copper (and compounds)		<0.001	
	Manganese (and compounds)		<0.001	
	Total suspended particulate		<0.01	
EQT 0206 069A - Plasma Burning Machine 2	Copper (and compounds)		<0.001	
	Manganese (and compounds)		<0.001	
	Total suspended particulate		<0.01	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0207 070A - Plasma Burning Machine 3	Copper (and compounds)		<0.001	
	Manganese (and compounds)		<0.001	
	Total suspended particulate		<0.01	
EQT 0208 072 - Plasma Splitter/Deflanger D	Copper (and compounds)		<0.001	
	Manganese (and compounds)		<0.001	
	Total suspended particulate		<0.01	
EQT 0211 068B - Plasma Burning Machine 1	Copper (and compounds)		<0.001	
	Manganese (and compounds)		<0.001	
	Total suspended particulate		<0.01	
EQT 0212 069B - Plasma Burning Machine 2	Copper (and compounds)		<0.001	
	Manganese (and compounds)		<0.001	
	Total suspended particulate		<0.01	
EQT 0213 070B - Plasma Burning Machine 3	Copper (and compounds)		<0.001	
	Manganese (and compounds)		<0.001	
	Total suspended particulate		<0.01	
EQT 0214 118A - Wet Plasma Burning Machi	Copper (and compounds)		<0.001	
	Manganese (and compounds)		0.002	
	Total suspended particulate		0.03	
EQT 0215 118B - Wet Plasma Burning Machi	Copper (and compounds)		<0.001	
	Manganese (and compounds)		0.002	
	Total suspended particulate		0.03	
FUG 0003 FSA - Fugitives From Spent Abres	Total suspended particulate	0.10	0.10	0.16
FUG 0004 FCS - Carpentry Shop Fugitives Fi	Total suspended particulate	2.59	2.59	0.13
FUG 0005 FG - Fugitives From Glues Cleani	1,1,1-Trichloroethane	1.197	1.197	5.243
	1,4-Dioxane	0.004	0.004	0.017
	Carbon tetrachloride	0.001	0.001	0.006
	Dichloromethane	0.376	0.376	1.645
	Epichlorohydrin	0.004	0.004	0.016
	Ethyl benzene	1.433	1.433	6.276
	Ethylene glycol	0.114	0.114	0.499
	Formaldehyde	<0.001	<0.001	0.002
	Methyl ethyl ketone	0.101	0.101	0.442
	Toluene	0.677	0.677	2.966

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0005 FG - Fugitives From Glues, Cleani	Trichloroethylene	0.069	0.069	0.303
	Xylene (mixed isomers)	5.266	5.266	23.065
	n-Hexane	0.001	0.001	0.406
FUG 0006 FW - Fugitives From Welding	Chromium VI (and compounds)	<0.001	0.001	0.003
	Copper (and compounds)	0.070	0.119	0.522
	Manganese (and compounds)	0.061	0.105	0.458
	Nickel (and compounds)	0.003	0.005	0.023
	Total suspended particulate	2.77	4.70	20.60
FUG 0007 FFA - Fugitives From Fiberglassin	Acetophenone	<0.001	0.002	<0.001
	Cumene	<0.001	0.024	<0.001
	Dimethyl phthalate	0.001	0.002	0.003
	Methyl ethyl ketone	<0.001	<0.001	<0.001
	Styrene	0.041	11.535	0.180
	n-butyl alcohol	<0.001	<0.001	<0.001
FUG 0008 GF14 - Gas Free Plant Fugitive Er	2,2,4-Trimethylpentane		<0.001	
	Benzene		0.034	
	Cumene		<0.001	
	Ethyl benzene		0.002	
	Hydrogen sulfide		0.063	
	Naphthalene		0.012	
	Toluene		0.017	
	Xylene (mixed isomers)		0.006	
	n-Hexane		0.272	
FUG 0009 FFR - Fugitives from Facility Road	Total suspended particulate	11.39	11.39	53.30
GRP 0004 SC-CAP	1,1,1-Trichloroethane	55.112		242.510
	1,3-Butadiene	1.815		7.980
	1,4-Dichlorobenzene	55.112		242.510
	Benzene	23.659		104.110
	Benzyl chloride	55.112		242.510
	Carbon tetrachloride	13.148		57.880
	Cobalt compounds	23.510		103.450
	Copper (and compounds)	3.158		16.260
	Cumene	55.112		242.510

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0004 SC-CAP	Dibutyl phthalate	18.155		79.880
	Ethyl benzene	55.112		242.510
	Ethylene glycol	55.112		242.510
	Ethylene oxide	1.972		8.680
	Formaldehyde	15.169		66.730
	Glycol ethers (Table 51.1)	55.112		242.510
	Lead compounds	0.48		2.09
	Methanol	55.112		242.510
	Methyl ethyl ketone	55.112		242.510
	Methyl isobutyl ketone	55.112		242.510
	Naphthalene	55.112		242.510
	Nickel (and compounds)	0.269		1.180
	Phenol	55.112		242.510
	Polynuclear Aromatic Hydrocarbons	0.118		0.520
	Propylene oxide	55.112		242.510
	Toluene	55.112		242.510
	Toluene-2,4-diisocyanate	0.131		0.580
	Total suspended particulate	29.22		128.00
	Trichloroethylene	55.112		242.510
	Vinyl acetate	55.112		242.510
	Xylene (mixed isomers)	55.112		242.510
	Zinc (and compounds)	23.510		103.450
	n-butyl alcohol	55.112		242.510
GRP 0005 GFP-CAP	2,2,4-Trimethylpentane	<0.001		0.003
	Benzene	0.18		0.793
	Cumene	<0.001		<0.001
	Ethyl benzene	0.01		0.047
	Hydrogen sulfide	0.32		1.419
	Naphthalene	0.06		0.266
	Toluene	0.14		0.506
	Xylene (mixed isomers)	0.16		0.419
	n-Hexane	1.42		6.235
GRP 0006 PDC-CAP	Total suspended particulate	0.49		1.60

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GRP 0007 FBH-CAP	Total suspended particulate	1.03		1.73
GRP 0008 MNGC-CAP	Barium (and compounds)	<0.001		0.001
	Formaldehyde	0.005		0.018
	Toluene	<0.001		0.001
	Total suspended particulate	0.72		1.94
	Zinc (and compounds)	0.001		0.005
	n-Hexane	0.171		0.459
GRP 0009 MDC-CAP	Acetaldehyde	0.008		0.007
	Benzene	0.027		0.015
	Formaldehyde	0.015		0.014
	Naphthalene	0.003		<0.001
	Polynuclear Aromatic Hydrocarbons	0.002		<0.001
	Toluene	0.007		0.005
	Total suspended particulate	5.60		4.17
	Xylene (mixed isomers)	0.004		0.003
GRP 0010 BCM-CAP	Chromium VI (and compounds)	0.013		0.058
	Cobalt compounds	<0.001		0.006
	Copper (and compounds)	0.007		0.031
	Formaldehyde	<0.001		<0.001
	Manganese (and compounds)	0.024		0.097
	Nickel (and compounds)	<0.001		0.015
	Total suspended particulate	0.15		0.52
	Zinc (and compounds)	0.007		0.030
	n-Hexane	0.007		0.028
RLP 0013 007A - 007 - Stress Relief Furnace	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.12	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.029	
RLP 0014 007B - 007 - Stress Relief Furnace	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0014 007B - 007 - Stress Relief Furnace	Total suspended particulate		0.12	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.029	
RLP 0015 007C - 007 - Stress Relief Furnace	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.12	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.029	
RLP 0016 007D - 007 - Stress Relief Furnace	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.12	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.029	
RLP 0017 007E - 007 - Stress Relief Furnace	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.12	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.029	
RLP 0018 007F - 007 - Stress Relief Furnace	Barium (and compounds)		<0.001	
	Formaldehyde		0.001	
	Toluene		<0.001	
	Total suspended particulate		0.12	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.029	
RLP 0020 016A, 016SCA - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0020 016A, 016SCA - 016 - Plate Shop	Cobalt compounds		0.084	
	Copper (and compounds)		0.011	
	Cumene		0.196	
	Dibutyl phthalate		0.065	
	Ethyl benzene		0.196	
	Ethylene glycol		0.196	
	Ethylene oxide		0.007	
	Formaldehyde		0.054	
	Glycol ethers (Table 51.1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0.196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0.196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	0.01
	Trichloroethylene		0.196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0.084	
	n-butyl alcohol		0.196	
RLP 0021 016B, 016SCB - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	
	Cobalt compounds		0.084	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0021 016B 016SCB - 016 - Plate Shop	Copper (and compounds)		0.011	
	Cumene		0.196	
	Dibutyl phthalate		0.065	
	Ethyl benzene		0.196	
	Ethylene glycol		0.196	
	Ethylene oxide		0.007	
	Formaldehyde		0.054	
	Glycol ethers (Table 51.1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0.196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0.196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	0.01
	Trichloroethylene		0.196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0.084	
	n-butyl alcohol		0.196	
RLP 0022 016C 016SCC - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	
	Cobalt compounds		0.084	
	Copper (and compounds)		0.011	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0022 016C, 016SCC - 016 - Plate Shop	Cumene		0.196	
	Dibutyl phthalate		0.065	
	Ethyl benzene		0.196	
	Ethylene glycol		0.196	
	Ethylene oxide		0.007	
	Formaldehyde		0.054	
	Glycol ethers (Table 51.1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0.196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0.196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	0.01
	Trichloroethylene		0.196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0.084	
	n-butyl alcohol		0.196	
RLP 0023 016D, 016SCD - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	
	Cobalt compounds		0.084	
	Copper (and compounds)		0.011	
	Cumene		0.196	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0023 016D 016SCD - 016 - Plate Shop	Dibutyl phthalate		0.065	
	Ethyl benzene		0.196	
	Ethylene glycol		0.196	
	Ethylene oxide		0.007	
	Formaldehyde		0.054	
	Glycol ethers (Table 51 1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0 196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0 196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0 01	0.01
	Trichloroethylene		0 196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0 084	
	n-butyl alcohol		0 196	
RLP 0024 016E 016SCE - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	
	Cobalt compounds		0.084	
	Copper (and compounds)		0.011	
	Cumene		0 196	
	Dibutyl phthalate		0.065	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0024 016E, 016SCE - 016 - Plate Shop	Ethyl benzene		0.196	
	Ethylene glycol		0.196	
	Ethylene oxide		0.007	
	Formaldehyde		0.054	
	Glycol ethers (Table 51.1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0.196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0.196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	0.01
	Trichloroethylene		0.196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0.084	
	n-butyl alcohol		0.196	
RLP 0025 016F, 016SCF - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	
	Cobalt compounds		0.084	
	Copper (and compounds)		0.011	
	Cumene		0.196	
	Dibutyl phthalate		0.065	
	Ethyl benzene		0.196	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0025 016F, 016SCF - 016 - Plate Shop	Ethylene glycol		0.196	
	Ethylene oxide		0.007	
	Formaldehyde		0.054	
	Glycol ethers (Table 51 1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0.196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0.196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0 01	<0.01	0.01
	Trichloroethylene		0.196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0.084	
	n-butyl alcohol		0.196	
RLP 0026 016G, 016SCG - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	
	Cobalt compounds		0.084	
	Copper (and compounds)		0 011	
	Cumene		0.196	
	Dibutyl phthalate		0.065	
	Ethyl benzene		0.196	
	Ethylene glycol		0.196	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0026 016G, 016SCG - 016 - Plate Shop	Ethylene oxide		0.007	
	Formaldehyde		0.054	
	Glycol ethers (Table 51.1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0.196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0.196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	0.01
	Trichloroethylene		0.196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0.084	
	n-butyl alcohol		0.196	
RLP 0027 016H, 016SCH - 016 - Plate Shop	1,1,1-Trichloroethane		0.196	
	1,3-Butadiene		0.006	
	1,4-Dichlorobenzene		0.196	
	Benzene		0.084	
	Benzyl chloride		0.196	
	Carbon tetrachloride		0.047	
	Cobalt compounds		0.084	
	Copper (and compounds)		0.011	
	Cumene		0.196	
	Dibutyl phthalate		0.065	
	Ethyl benzene		0.196	
	Ethylene glycol		0.196	
	Ethylene oxide		0.007	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0027 016H 016SCH - 016 - Plate Shop	Formaldehyde		0.054	
	Glycol ethers (Table 51.1)		0.196	
	Lead compounds		<0.01	
	Methanol		0.196	
	Methyl ethyl ketone		0.196	
	Methyl isobutyl ketone		0.196	
	Naphthalene		0.196	
	Nickel (and compounds)		0.001	
	Phenol		0.196	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.196	
	Toluene		0.196	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	0.01
	Trichloroethylene		0.196	
	Vinyl acetate		0.196	
	Xylene (mixed isomers)		0.196	
	Zinc (and compounds)		0.084	
	n-butyl alcohol		0.196	
RLP 0037 034A 034SCA - 034 - Structural B	1,1,1-Trichloroethane		0.011	
	1,3-Butadiene		<0.001	
	1,4-Dichlorobenzene		0.011	
	Benzene		0.005	
	Benzyl chloride		0.011	
	Carbon tetrachloride		0.003	
	Cobalt compounds		0.005	
	Copper (and compounds)		0.001	
	Cumene		0.011	
	Dibutyl phthalate		0.004	
	Ethyl benzene		0.011	
	Ethylene glycol		0.011	
	Ethylene oxide		<0.001	
	Formaldehyde		0.003	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0037 034A, 034SCA - 034 - Structural B	Glycol ethers (Table 51.1)		0.011	
	Lead compounds		<0.01	
	Methanol		0.011	
	Methyl ethyl ketone		0.011	
	Methyl isobutyl ketone		0.011	
	Naphthalene		0.011	
	Nickel (and compounds)		<0.001	
	Phenol		0.011	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.011	
	Toluene		0.011	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	<0.01
	Trichloroethylene		0.011	
	Vinyl acetate		0.011	
	Xylene (mixed isomers)		0.011	
	Zinc (and compounds)		0.005	
	n-butyl alcohol		0.011	
RLP 0038 034B, 034SCB - 034 - Structural B	1,1,1-Trichloroethane		0.011	
	1,3-Butadiene		<0.001	
	1,4-Dichlorobenzene		0.011	
	Benzene		0.005	
	Benzyl chloride		0.011	
	Carbon tetrachloride		0.003	
	Cobalt compounds		0.005	
	Copper (and compounds)		0.001	
	Cumene		0.011	
	Dibutyl phthalate		0.004	
	Ethyl benzene		0.011	
	Ethylene glycol		0.011	
	Ethylene oxide		<0.001	
	Formaldehyde		0.003	
	Glycol ethers (Table 51.1)		0.011	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0038 034B 034SCB - 034 - Structural B	Lead compounds		<0.01	
	Methanol		0.011	
	Methyl ethyl ketone		0.011	
	Methyl isobutyl ketone		0.011	
	Naphthalene		0.011	
	Nickel (and compounds)		<0.001	
	Phenol		0.011	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.011	
	Toluene		0.011	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	<0.01
	Trichloroethylene		0.011	
	Vinyl acetate		0.011	
	Xylene (mixed isomers)		0.011	
	Zinc (and compounds)		0.005	
	n-butyl alcohol		0.011	
RLP 0039 034C, 034SCC - 034 - Structural E	1,1,1-Trichloroethane		0.011	
	1,3-Butadiene		<0.001	
	1,4-Dichlorobenzene		0.011	
	Benzene		0.005	
	Benzyl chloride		0.011	
	Carbon tetrachloride		0.003	
	Cobalt compounds		0.005	
	Copper (and compounds)		0.001	
	Cumene		0.011	
	Dibutyl phthalate		0.004	
	Ethyl benzene		0.011	
	Ethylene glycol		0.011	
	Ethylene oxide		<0.001	
	Formaldehyde		0.003	
	Glycol ethers (Table 51.1)		0.011	
	Lead compounds		<0.01	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0039 034C, 034SCC - 034 - Structural E	Methanol		0.011	
	Methyl ethyl ketone		0.011	
	Methyl isobutyl ketone		0.011	
	Naphthalene		0.011	
	Nickel (and compounds)		<0.001	
	Phenol		0.011	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.011	
	Toluene		0.011	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	<0.01
	Trichloroethylene		0.011	
	Vinyl acetate		0.011	
	Xylene (mixed isomers)		0.011	
	Zinc (and compounds)		0.005	
	n-butyl alcohol		0.011	
RLP 0040 034D, 034SCD - 034 - Structural E	1,1,1-Trichloroethane		0.011	
	1,3-Butadiene		<0.001	
	1,4-Dichlorobenzene		0.011	
	Benzene		0.005	
	Benzyl chloride		0.011	
	Carbon tetrachloride		0.003	
	Cobalt compounds		0.005	
	Copper (and compounds)		0.001	
	Cumene		0.011	
	Dibutyl phthalate		0.004	
	Ethyl benzene		0.011	
	Ethylene glycol		0.011	
	Ethylene oxide		<0.001	
	Formaldehyde		0.003	
	Glycol ethers (Table 51.1)		0.011	
	Lead compounds		<0.01	
	Methanol		0.011	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0040 034D 034SCD - 034 - Structural E	Methyl ethyl ketone		0.011	
	Methyl isobutyl ketone		0.011	
	Naphthalene		0.011	
	Nickel (and compounds)		<0.001	
	Phenol		0.011	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.011	
	Toluene		0.011	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	<0.01
	Trichloroethylene		0.011	
	Vinyl acetate		0.011	
	Xylene (mixed isomers)		0.011	
	Zinc (and compounds)		0.005	
	n-butyl alcohol		0.011	
RLP 0041 034E 034SCE - 034 - Structural B	1,1,1-Trichloroethane		0.011	
	1,3-Butadiene		<0.001	
	1,4-Dichlorobenzene		0.011	
	Benzene		0.005	
	Benzyl chloride		0.011	
	Carbon tetrachloride		0.003	
	Cobalt compounds		0.005	
	Copper (and compounds)		0.001	
	Cumene		0.011	
	Dibutyl phthalate		0.004	
	Ethyl benzene		0.011	
	Ethylene glycol		0.011	
	Ethylene oxide		<0.001	
	Formaldehyde		0.003	
	Glycol ethers (Table 51.1)		0.011	
	Lead compounds		<0.01	
	Methanol		0.011	
	Methyl ethyl ketone		0.011	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Activity Number: PER20060008
Permit Number: 1340-00015-V1
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0041 034E, 034SCE - 034 - Structural B	Methyl isobutyl ketone		0.011	
	Naphthalene		0.011	
	Nickel (and compounds)		<0.001	
	Phenol		0.011	
	Polynuclear Aromatic Hydrocarbons		<0.001	
	Propylene oxide		0.011	
	Toluene		0.011	
	Toluene-2,4-diisocyanate		<0.001	
	Total suspended particulate	<0.01	<0.01	<0.01
	Trichloroethylene		0.011	
	Vinyl acetate		0.011	
	Xylene (mixed isomers)		0.011	
	Zinc (and compounds)		0.005	
	n-butyl alcohol		0.011	
RLP 0170 036A - Structural Blast Plant Final	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.02	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.006	
RLP 0171 036B - Structural Blast Plant Final	Barium (and compounds)		<0.001	
	Formaldehyde		<0.001	
	Toluene		<0.001	
	Total suspended particulate		0.02	
	Zinc (and compounds)		<0.001	
	n-Hexane		0.006	
UNF 0001 Facility Wide	1,1,1-Trichloroethane			247.753
	1,3-Butadiene			7.980
	1,4-Dichlorobenzene			242.510
	1,4-Dioxane			0.017
	2,2,4-Trimethylpentane			0.016
	Acetaldehyde			0.007
	Acetophenone			<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Facility Wide	Antimony (and compounds)			0.010
	Arsenic (and compounds)			<0.001
	Barium (and compounds)			<0.001
	Benzene			104.932
	Benzyl chloride			242.510
	Carbon tetrachloride			57.886
	Chromium VI (and compounds)			0.003
	Cobalt compounds			103.457
	Copper (and compounds)			16.291
	Cumene			242.513
	Dibutyl phthalate			79.880
	Dichloromethane			1.645
	Dimethyl phthalate			0.003
	Epichlorohydrin			0.016
	Ethyl benzene			248.833
	Ethylene glycol			243.009
	Ethylene oxide			8.680
	Formaldehyde			66.764
	Glycol ethers (Table 51.1)			242.510
	Hydrogen sulfide			1.419
	Lead compounds			2.09
	Manganese (and compounds)			0.555
	Methanol			242.510
	Methyl ethyl ketone			242.952
	Methyl isobutyl ketone			242.510
	Naphthalene			242.776
	Nickel (and compounds)			1.218
	Phenol			242.510
	Polynuclear Aromatic Hydrocarbons			0.520
	Propylene oxide			242.510
	Styrene			0.180
	Toluene			246.005
	Toluene-2,4-diisocyanate			0.580

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Facility Wide	Total suspended particulate			221.39
	Trichloroethylene			242.813
	Vinyl acetate			242.510
	Xylene (mixed isomers)			266.005
	Zinc (and compounds)			103.485
	n-Hexane			7.138
	n-butyl alcohol			242.510

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

ARE 0001 056 - Outdoor Blasting - Outdoor Blasting

1	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.
2	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: Six-minute average
3	[LAC 33:III.1327.A.1]	Do not use material derived from hazardous, toxic, medical, and/or municipal waste as abrasive material.
4	[LAC 33:III.1327.A.2]	Particulate matter fines < 10 % by weight of the abrasive that would pass through a No. 80 sieve as documented by the supplier, unless exempted by DEQ on a case-by-case basis. If supplier documentation is not provided for weight percent of fines in abrasive material, take samples according to ASTM standard ASTM D 75-87, reapproved 1992, before initial use. Which Months: All Year Statistical Basis: None specified
5	[LAC 33:III.1327.A.3]	Do not reuse abrasives for abrasive blasting unless they meet the requirements of LAC 33:III.1327.A.2.
6	[LAC 33:III.1329.A.1]	Fully enclose the item or surround the structure to be blasted, or prepare and implement a best management practices (BMP) plan as described in LAC 33:III.1331. [LAC 33:III.1329.A.1, LAC 33:III.1329.A.2]
7	[LAC 33:III.1329.C.1]	Ensure that tarps have overlapping seams to prevent leakage of particulate matter.
8	[LAC 33:III.1329.C.2]	Shade factor >= 80 percent. Limit the shade factor of the tarps. Which Months: All Year Statistical Basis: None specified
9	[LAC 33:III.1329.C.3]	Repair tarps prior to use if any single tear greater than 1 foot in length is present or if tears greater than 6 inches in length each are present.
10	[LAC 33:III.1329.E]	Prevent blasting material or visible floating solids from reaching waters of the state or minimize to the maximum extent possible as specified in the facility and/or activity BMP or in accordance with the LPDES permit program.
11	[LAC 33:III.1329.F]	Ensure that abrasive blasting activities do not create a nuisance.
12	[LAC 33:III.1329.G]	Maintain stockpiles of new and/or spent abrasive material in a manner that will minimize fugitive airborne emissions.
13	[LAC 33:III.1329.H]	Use and diligently maintain all emission control equipment in proper working order according to the manufacturer's specifications whenever any emissions are being generated that can be controlled by the facility, even if the ambient air quality standard in affected areas are not exceeded.
14	[LAC 33:III.1331.B]	If a BMP plan is implemented, keep a complete copy of the BMP plan at the facility and make available to authorized representatives of DEQ upon request. Submit plans to DEQ if requested by an authorized representative of DEQ.
15	[LAC 33:III.1331.C]	If a BMP plan is implemented, designate a person who is accountable for the implementation and effectiveness of the BMP plan.
16	[LAC 33:III.1331.D]	If a BMP plan is implemented, amend the BMP plan if required to by DEQ or whenever physical or operational modification of the facility renders the existing plan inadequate. Implement the amendment prior to or concurrent with the facility modification
17	[LAC 33:III.1331.E]	If a BMP plan is implemented, review the BMP plan every three years to determine if the plan adequately reduces nuisances and adverse off-site impacts. If it is determined that the plan is not adequate, amend the plan within 90 days of the review to include more effective emission prevention and control technology.
18	[LAC 33:III.1331.F]	If a BMP plan is implemented, prepare the BMP plan in accordance with sound engineering practices and ensure that it is site-specific. Present the plan information in the sequence specified in LAC 33:III.1331.F.1 through F.10.
19	[LAC 33:III.1331.G]	If a BMP plan is implemented, include provisions for personnel training in the BMP plan as specified in LAC 33:III.1331.G.1 through G.4.
20	[LAC 33:III.1331.H.1]	If a BMP plan is implemented, ensure that records of the three year review are signed or initialed by the person conducting the review and an appropriate supervisor or the facility designee. Retain for a minimum of three years.

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ARE 0001 056 - Outdoor Blasting - Outdoor Blasting

21	[LAC 33:III.1331.H.2]	If a BMP plan is implemented, maintain the following records on the facility premises: Self-inspection reports prepared in accordance with LAC 33:III.1331.F.8, and documentation of employee and contractor training, including dates, subjects, and hours of training and a list of attendees with signatures.
22	[LAC 33:III.1333]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.1333.A.1 through A.7 on the facility premises at all times. Present them to an authorized representative of DEQ upon request. Maintain records on a 36 month rolling basis.

ARE 0002 057 - Outdoor Painting - Outdoor Painting

23	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be 40 CFR 63 Subpart II.

CRG 0001 Dust Collector Requirements - Non-TAP Dust Collector Requirements (99.99% efficiency)

Group Members: EQT 0012 EQT 0016 EQT 0024 EQT 0055 EQT 0056 EQT 0057 EQT 0058 EQT 0059 EQT 0060 EQT 0061 EQT 0080 EQT 0124 EQT 0125 EQT 0126 EQT 0127 EQT 0128 EQT 0131 EQT 0132 EQT 0133 EQT 0134 EQT 0135 EQT 0136 EQT 0137 EQT 0138 EQT 0139 EQT 0140 EQT 0149 EQT 0150 EQT 0151 EQT 0152 EQT 0153

24	[LAC 33:III.507.H.1.a]	Visible emissions: Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, shut down the affected unit and restore operation of the filter to its normal or usual manner of operation before resuming operation of the affected unit.
25	[LAC 33:III.507.H.1.a]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
26	[LAC 33:III.507.H.1.a]	Particulate matter (10 microns or less) >= 99.99 % removal efficiency from filter manufacturer's certification. Which Months: All Year Statistical Basis: None specified
27	[LAC 33:III.507.H.1.a]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Which Months: All Year Statistical Basis: None specified
28	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

CRG 0002 Boiler Requirements - Portable Boiler Requirements

Group Members: EQT 0007 EQT 0010 EQT 0011

29	[40 CFR 60.48c(a)]	Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable. Subpart Dc. [40 CFR 60.48c(a)]
30	[40 CFR 60.48c(b)]	Submit the performance test data from the initial and any subsequent performance tests, and, if applicable, the performance evaluation of the CEMS and/or COMS using the applicable performance specifications in 40 CFR 60 Appendix B. Subpart Dc. [40 CFR 60.48c(b)]

CRG 0002 Boiler Requirements - Portable Boiler Requirements

31	[40 CFR 60.48c(g)(1)]	Fuel rate recordkeeping by electronic or hard copy daily. Keep records of the amount of each fuel combusted during each day. Subpart Dc. [40 CFR 60.48c(g)(1)]
32	[40 CFR 60.48c(g)(3)]	Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total amount of fuel for the unit delivered to the property during each calendar month. Subpart Dc. [40 CFR 60.48c(g)(3)]
33	[40 CFR 60.48c(i)]	Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record. Subpart Dc. [40 CFR 60.48c(i)]
34	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
35	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: Six-minute average
36	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
37	[LAC 33:III.1513.C]	Equipment/operational data recordkeeping by electronic or hard copy once initially and annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

CRG 0003 Vacuum Trailer Requirements - Vacuum Trailer Requirements

Group Members: EQT 0027 EQT 0037 EQT 0038 EQT 0039 EQT 0040 EQT 0041 EQT 0042 EQT 0043 EQT 0044

38	[LAC 33:III.507.H.1.a]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Which Months: All Year Statistical Basis: None specified
39	[LAC 33:III.507.H.1.a]	Particulate matter (10 microns or less) >= 99.00 % removal efficiency from filter manufacturer's certification. Which Months: All Year Statistical Basis: None specified
40	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
41	[LAC 33:III.507.H.1.a]	Visible emissions: Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, shut down the affected unit and restore operation of the filter to its normal or usual manner of operation before resuming operation of the affected unit.
42	[LAC 33:III.507.H.1.a]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

CRG 0005 Surface Coating Requirements - Surface Coating Requirements

Group Members: ARE 0002 EQT 0188

CRG 0005 Surface Coating Requirements - Surface Coating Requirements

43	[40 CFR 63.783(b)(1)]	Ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. Subpart II. [40 CFR 63.783(b)(1)]
44	[40 CFR 63.783(b)(2)]	Ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. Subpart II. [40 CFR 63.783(b)(2)]
45	[40 CFR 63.785(b)(1)]	Determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785(c)(1) through (c)(4). Determine the procedure used for each coating and document prior to application. Subpart II. [40 CFR 63.785(b)(1)]
46	[40 CFR 63.785(c)(1)(i)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Certify the as-applied VOC content of each batch of coating. Subpart II. [40 CFR 63.785(c)(1)(i)]
47	[40 CFR 63.785(c)(1)(ii)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Notify the persons responsible for applying the coating that no thinning solvent may be added to the coating by affixing a label to each container of coating in the batch or through another means described in the implementation plan required in 40 CFR 63.787(b). Subpart II. [40 CFR 63.785(c)(1)(ii)]
48	[40 CFR 63.785(c)(1)(iii)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: The certified as-applied VOC content of each batch of coating used during a calendar month must be less than or equal to the applicable VOHAP limit in 40 CFR 63.783(a). Subpart II. [40 CFR 63.785(c)(1)(iii)]
49	[40 CFR 63.785(c)(2)(i)]	Coatings to which thinning solvent is routinely or sometimes added: Designate a single thinner for the coating and calculate the maximum allowable thinning ratio(s) for each batch using 40 CFR 63.785(c)(2)(i) Equations 1 and 2 , prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(i)]
50	[40 CFR 63.785(c)(2)(ii)]	Coatings to which thinning solvent is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch of the coating by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(ii)]
51	[40 CFR 63.785(c)(2)(iii)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of each batch of the coating used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iii)]
52	[40 CFR 63.785(c)(2)(iv)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the total allowable volume of thinner for the coating used during the previous month using 40 CFR 63.785(c)(2)(iv) Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iv)]
53	[40 CFR 63.785(c)(2)(v)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of thinner actually used with the coating during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(v)]
54	[40 CFR 63.785(c)(2)(vi)]	Coatings to which thinning solvent is routinely or sometimes added: The volume of thinner actually used with the coating [determined in 40 CFR 63.785(c)(3)(v)] must be less than or equal to the total allowable volume of thinner for the coating [determined in 40 CFR 63.785(c)(3)(iv)]. Subpart II. [40 CFR 63.785(c)(2)(vi)]
55	[40 CFR 63.785(c)(3)(i)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Designate a single thinner to be added to each coating during the month and "group" coatings according to their designated thinner. Subpart II. [40 CFR 63.785(c)(3)(i)]
56	[40 CFR 63.785(c)(3)(ii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Calculate the maximum allowable thinning ratio(s) for each batch of coating in the group using the equations in 40 CFR 63.785(c)(2), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(3)(ii)]

CRG 0005 Surface Coating Requirements - Surface Coating Requirements

57	[40 CFR 63.785(c)(3)(iii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch in the group by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each "batch". Subpart II. [40 CFR 63.785(c)(3)(iii)]
58	[40 CFR 63.785(c)(3)(iv)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of each batch of the group used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(iv)]
59	[40 CFR 63.785(c)(3)(v)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the total allowable volume of thinner for the group for the previous month using 40 CFR 63 Subpart II Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(v)]
60	[40 CFR 63.785(c)(3)(vi)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of thinner actually used with the group during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(vi)]
61	[40 CFR 63.785(c)(3)(vii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: The volume of thinner actually used with the group [determined in 40 CFR 63.785(c)(3)(vi)] must be less than or equal to the total allowable volume of thinner for the group [determined in 40 CFR 63.785(c)(3)(v)]. Subpart II. [40 CFR 63.785(c)(3)(vii)]
62	[40 CFR 63.786(d)]	Use or ensure that the manufacturer uses the form and procedures mentioned in 40 CFR 63 Subpart II Appendix A to determine values for thinner and coating parameters used in 40 CFR 63 Subpart II Equations 1 and 2. Ensure that the coating/thinner manufacturer (or supplier) provides information on the VOC and VOHAP contents of the coatings/thinners and the procedure(s) used to determine these values. Subpart II. [40 CFR 63.786(d)]
63	[40 CFR 63.786]	Determine compliance with 40 CFR 63.785(c)(1) through (c)(4) using the methods specified in 40 CFR 63.786(a) through (c), as applicable. Subpart II.
64	[40 CFR 63.787(a)]	Comply with all applicable notification requirements in 40 CFR 63.9(a) through (d) and (i) through (j), with the exception that the deadline specified in 40 CFR 63.9(b)(2) and (3) shall be extended from 120 days to 180 days. Subpart II. [40 CFR 63.787(a)]
65	[40 CFR 63.787(b)(1)]	Prepare a written implementation plan that addresses each of the subject areas specified in 40 CFR 63.787(b)(3). Subpart II. [40 CFR 63.787(b)(1)]
66	[40 CFR 63.788(a)]	Comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f). Subpart II. [40 CFR 63.788(a)]
67	[40 CFR 63.788(b)]	Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in 40 CFR 63.788(b)(1) through (b)(4), as applicable, for a minimum of 5 years. Subpart II. [40 CFR 63.788(b)]
68	[40 CFR 63.788(c)]	Submit report: Due before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784. Submit all of the information that must be retained pursuant to 40 CFR 63.788(b)(2) and (b)(3), except for that information specified in 40 CFR 63.788(b)(2)(i) and (b)(2)(ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, also report the information specified in 40 CFR 63.788(b)(4) for the reporting period during which the violation(s) occurred. To the extent possible, organize the report according to the compliance procedure(s) followed each month. Subpart II. [40 CFR 63.788(c)]
69	[LAC 33:III.2123.C]	Shall comply with the VOC emission limits of the section.

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CRG 0005 Surface Coating Requirements - Surface Coating Requirements

70	[LAC 33:III.2123.D.3]	Determine compliance by the procedure specified in "Control of Volatile Organic Emissions for Existing Stationary Sources. Vol. 2-Surface Coating of Cans, Coils, Paper, Fabric, Autos and Lt. Duty Trucks", (EPA 450/2-77-008), the procedures specified in "Measurement of Volatile Organic Compounds" (EPA-450/2-78-041), a method approved by DEQ or certification from the paint manufacturer concerning the solvent makeup of the paint. Treat exempt solvents the same as water in calculating the VOC content per gallon of coating.
71	[LAC 33:III.2123.E]	Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.
72	[LAC 33:III.2123.F]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
73	[LAC 33:III.2123.H]	Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123.
74	[LAC 33:III.501.C.6]	Surface coating activities can be performed either outdoor or within buildings such as Plate Shop Blast Plant, Structural Blast Plant, New Shot House, Paint Booths or within any other appropriate buildings.
75	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be compliance with 40 CFR 63 Subpart II.

CRG 0007 Barge Storage Tank Requirements - Barge Storage Tank Requirements (excluding Vegetable Oil and Gasoline)

Group Members: EQT 0103 EQT 0106 EQT 0107 EQT 0108 EQT 0109 EQT 0154 EQT 0155 EQT 0156 EQT 0157 EQT 0158 EQT 0159 EQT 0160 EQT 0161 EQT 0164 EQT 0165 EQT 0166 EQT 0167 EQT 0168 EQT 0169 EQT 0170 EQT 0171 EQT 0172 EQT 0173 EQT 0174 EQT 0175 EQT 0176 EQT 0177 EQT 0178 EQT 0179 EQT 0180 EQT 0203

76	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
77	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no additional controls.

CRG 0008 Dust Collector Requirements - TAP Dust Collector Requirements (99.99% efficiency)

Group Members: EQT 0205 EQT 0206 EQT 0207 EQT 0208 EQT 0211 EQT 0212 EQT 0213

78	[LAC 33:III.507.H.1.a]	Visible emissions: Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, shut down the affected unit and restore operation of the filter to its normal or usual manner of operation before resuming operation of the affected unit.
79	[LAC 33:III.507.H.1.a]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Which Months: All Year Statistical Basis: None specified
80	[LAC 33:III.507.H.1.a]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

CRG 0008 Dust Collector Requirements - TAP Dust Collector Requirements (99.99% efficiency)

81	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
82	[LAC 33:III.507.H.1.a]	Particulate matter (10 microns or less) >= 99.99 % removal efficiency from filter manufacturer's certification. Which Months: All Year Statistical Basis: None specified
83	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
84	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no additional controls.

CRG 0009 Oven, Furnace, and Heater Requirements - Oven, Furnace, and Heater Requirements

Group Members: EQT 0001 EQT 0002 EQT 0004 EQT 0006 EQT 0015 EQT 0046 EQT 0047 EQT 0048 EQT 0049 EQT 0098 RLP 0013 RLP 0014 RLP 0015 RLP 0016 RLP 0017 RLP 0018 RLP 0170 RLP 0171

85	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
86	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: Six-minute average
87	[LAC 33:III.1313.C]	Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
88	[LAC 33:III.1513]	Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

CRG 0010 Diesel Engine Requirements - Diesel Engine Requirements

Group Members: EQT 0088 EQT 0089 EQT 0090 EQT 0091 EQT 0092 EQT 0093 EQT 0094 EQT 0100 EQT 0101 EQT 0102 EQT 0192

89	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: None specified
90	[LAC 33:III.1311.C]	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Which Months: All Year Statistical Basis: Six-minute average
91	[LAC 33:III.1513.C]	Equipment/operational data recordkeeping by electronic or hard copy annually. Record and retain at the site sufficient data to show annual potential sulfur dioxide emissions.

CRG 0011 Burning and Cutting Machine Requirements - Burning and Cutting Machine (not including the associated Dust Collectors) Requirements

Group Members: EQT 0077 EQT 0078 EQT 0079 EQT 0193 EQT 0194 EQT 0195 EQT 0196 EQT 0197 EQT 0198 EQT 0199 EQT 0214 EQT 0215

92	[LAC 33:III.1101.B]	Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified
93	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
94	[LAC 33:III.5109]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. Determined as MACT.

CRG 0012 Gasoline Storage Tank Requirements - Gasoline Storage Tank Requirements

Group Members: EQT 0021 EQT 0022

95	[LAC 33:III.2103.A]	Equip with a submerged fill pipe.
96	[LAC 33:III.2103.H.3]	Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
97	[LAC 33:III.2103.I]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
98	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
99	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be compliance with LAC33:III.2103.A.

CRG 0013 Exhaust Vent Requirements - Exhaust Vent Requirements

Group Members: EQT 0187 EQT 0189 RLP 0020 RLP 0021 RLP 0022 RLP 0023 RLP 0024 RLP 0025 RLP 0026 RLP 0027 RLP 0037 RLP 0038 RLP 0039 RLP 0040 RLP 0041

100	[40 CFR 63.783(b)(1)]	Ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. Subpart II. [40 CFR 63.783(b)(1)]
101	[40 CFR 63.783(b)(2)]	Ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. Subpart II. [40 CFR 63.783(b)(2)]
102	[40 CFR 63.785(b)(1)]	Determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785(c)(1) through (c)(4). Determine the procedure used for each coating and document prior to application. Subpart II. [40 CFR 63.785(b)(1)]
103	[40 CFR 63.785(c)(1)(i)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Certify the as-applied VOC content of each batch of coating. Subpart II. [40 CFR 63.785(c)(1)(i)]

CRG 0013 Exhaust Vent Requirements - Exhaust Vent Requirements

104	[40 CFR 63.785(c)(1)(ii)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Notify the persons responsible for applying the coating that no thinning solvent may be added to the coating by affixing a label to each container of coating in the batch or through another means described in the implementation plan required in 40 CFR 63.787(b). Subpart II. [40 CFR 63.785(c)(1)(ii)]
105	[40 CFR 63.785(c)(1)(iii)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: The certified as-applied VOC content of each batch of coating used during a calendar month must be less than or equal to the applicable VOHAP limit in 40 CFR 63.783(a). Subpart II. [40 CFR 63.785(c)(1)(iii)]
106	[40 CFR 63.785(c)(2)(i)]	Coatings to which thinning solvent is routinely or sometimes added: Designate a single thinner for the coating and calculate the maximum allowable thinning ratio(s) for each batch using 40 CFR 63.785(c)(2)(i) Equations 1 and 2 , prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(i)]
107	[40 CFR 63.785(c)(2)(ii)]	Coatings to which thinning solvent is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch of the coating by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(ii)]
108	[40 CFR 63.785(c)(2)(iii)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of each batch of the coating used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iii)]
109	[40 CFR 63.785(c)(2)(iv)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the total allowable volume of thinner for the coating used during the previous month using 40 CFR 63.785(c)(2)(iv) Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iv)]
110	[40 CFR 63.785(c)(2)(v)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of thinner actually used with the coating during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(v)]
111	[40 CFR 63.785(c)(2)(vi)]	Coatings to which thinning solvent is routinely or sometimes added: The volume of thinner actually used with the coating [determined in 40 CFR 63.785(c)(3)(v)] must be less than or equal to the total allowable volume of thinner for the coating [determined in 40 CFR 63.785(c)(3)(iv)]. Subpart II. [40 CFR 63.785(c)(2)(vi)]
112	[40 CFR 63.785(c)(3)(i)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Designate a single thinner to be added to each coating during the month and "group" coatings according to their designated thinner. Subpart II. [40 CFR 63.785(c)(3)(i)]
113	[40 CFR 63.785(c)(3)(ii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Calculate the maximum allowable thinning ratio(s) for each batch of coating in the group using the equations in 40 CFR 63.785(c)(2), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(3)(ii)]
114	[40 CFR 63.785(c)(3)(iii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch in the group by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each "batch". Subpart II. [40 CFR 63.785(c)(3)(iii)]
115	[40 CFR 63.785(c)(3)(iv)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of each batch of the group used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(iv)]
116	[40 CFR 63.785(c)(3)(v)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the total allowable volume of thinner for the group for the previous month using 40 CFR 63 Subpart II Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(v)]

CRG 0013 Exhaust Vent Requirements - Exhaust Vent Requirements

117	[40 CFR 63.785(c)(3)(vi)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of thinner actually used with the group during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(vi)]
118	[40 CFR 63.785(c)(3)(vii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: The volume of thinner actually used with the group [determined in 40 CFR 63.785(c)(3)(vi)] must be less than or equal to the total allowable volume of thinner for the group [determined in 40 CFR 63.785(c)(3)(v)]. Subpart II. [40 CFR 63.785(c)(3)(vii)]
119	[40 CFR 63.786(d)]	Use or ensure that the manufacturer uses the form and procedures mentioned in 40 CFR 63 Subpart II Appendix A to determine values for thinner and coating parameters used in 40 CFR 63 Subpart II Equations 1 and 2. Ensure that the coating/thinner manufacturer (or supplier) provides information on the VOC and VOHAP contents of the coatings/thinners and the procedure(s) used to determine these values. Subpart II. [40 CFR 63.786(d)]
120	[40 CFR 63.786]	Determine compliance with 40 CFR 63.785(c)(1) through (c)(4) using the methods specified in 40 CFR 63.786(a) through (c), as applicable. Subpart II.
121	[40 CFR 63.787(a)]	Comply with all applicable notification requirements in 40 CFR 63.9(a) through (d) and (i) through (j), with the exception that the deadline specified in 40 CFR 63.9(b)(2) and (3) shall be extended from 120 days to 180 days. Subpart II. [40 CFR 63.787(a)]
122	[40 CFR 63.787(b)(1)]	Prepare a written implementation plan that addresses each of the subject areas specified in 40 CFR 63.787(b)(3). Subpart II. [40 CFR 63.787(b)(1)]
123	[40 CFR 63.788(a)]	Comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f). Subpart II. [40 CFR 63.788(a)]
124	[40 CFR 63.788(b)]	Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in 40 CFR 63.788(b)(1) through (b)(4), as applicable, for a minimum of 5 years. Subpart II. [40 CFR 63.788(b)]
125	[40 CFR 63.788(c)]	Submit report: Due before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784. Submit all of the information that must be retained pursuant to 40 CFR 63.788(b)(2) and (b)(3), except for that information specified in 40 CFR 63.788(b)(2)(i) and (b)(2)(ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, also report the information specified in 40 CFR 63.788(b)(4) for the reporting period during which the violation(s) occurred. To the extent possible, organize the report according to the compliance procedure(s) followed each month. Subpart II. [40 CFR 63.788(c)]
126	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. Determined as MACT.
127	[LAC 33:III.2123.C]	Shall comply with the VOC emission limits of the section.
128	[LAC 33:III.2123.D.3]	Determine compliance by the procedure specified in "Control of Volatile Organic Emissions for Existing Stationary Sources. Vol. 2-Surface Coating of Cans, Coils, Paper, Fabric, Autos and Lt. Duty Trucks", (EPA 450/2-77-008), the procedures specified in "Measurement of Volatile Organic Compounds" (EPA-450/2-78-041), a method approved by DEQ or certification from the paint manufacturer concerning the solvent makeup of the paint. Treat exempt solvents the same as water in calculating the VOC content per gallon of coating.
129	[LAC 33:III.2123.E]	Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.
130	[LAC 33:III.2123.F]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
131	[LAC 33:III.2123.H]	Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123.

CRG 0013 Exhaust Vent Requirements - Exhaust Vent Requirements

132	[LAC 33:III.501.C.6]	Surface coating activities can be performed either outdoor or within buildings such as Plate Shop Blast Plant, Structural Blast Plant, New Shot House, Paint Booths or within any other appropriate buildings.
133	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be compliance with 40 CFR 63 Subpart II.

CRG 0014 Dust Collector Requirements - Non-TAP Dust Collector Requirements (99.90% efficiency)

Group Members: EQT 0033 EQT 0034 EQT 0045 EQT 0066 EQT 0070 EQT 0071 EQT 0072 EQT 0073 EQT 0074 EQT 0075 EQT 0081 EQT 0115 EQT 0116 EQT 0117

134	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
135	[LAC 33:III.507.H.1.a]	Visible emissions: Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, shut down the affected unit and restore operation of the filter to its normal or usual manner of operation before resuming operation of the affected unit.
136	[LAC 33:III.507.H.1.a]	Particulate matter (10 microns or less) >= 99.90 % removal efficiency from filter manufacturer's certification. Which Months: All Year Statistical Basis: None specified
137	[LAC 33:III.507.H.1.a]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
138	[LAC 33:III.507.H.1.a]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Which Months: All Year Statistical Basis: None specified

CRG 0015 Dust Collector Requirements - Non-TAP Dust Collector Requirements (99.50% efficiency)

Group Members: EQT 0017 EQT 0190 EQT 0191

139	[LAC 33:III.507.H.1.a]	Particulate matter (10 microns or less) >= 99.50 % removal efficiency from filter manufacturer's certification. Which Months: All Year Statistical Basis: None specified
140	[LAC 33:III.507.H.1.a]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
141	[LAC 33:III.507.H.1.a]	Visible emissions: Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, shut down the affected unit and restore operation of the filter to its normal or usual manner of operation before resuming operation of the affected unit.
142	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
143	[LAC 33:III.507.H.1.a]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Which Months: All Year Statistical Basis: None specified

CRG 0016 Dust Collector Requirements - TAP Dust Collector Requirements (99.90% efficiency)

Group Members: EQT 0183 EQT 0185

144	[40 CFR 63.783(b)(1)]	Ensure that all handling and transfer of VOHAP-containing materials to and from containers, tanks, vats, drums, and piping systems is conducted in a manner that minimizes spills. Subpart II. [40 CFR 63.783(b)(1)]
145	[40 CFR 63.783(b)(2)]	Ensure that all containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed from them. Subpart II. [40 CFR 63.783(b)(2)]
146	[40 CFR 63.785(b)(1)]	Determine compliance with the VOHAP limits using any combination of the procedures described in 40 CFR 63.785(c)(1) through (c)(4). Determine the procedure used for each coating and document prior to application. Subpart II. [40 CFR 63.785(b)(1)]
147	[40 CFR 63.785(c)(1)(i)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Certify the as-applied VOC content of each batch of coating. Subpart II. [40 CFR 63.785(c)(1)(i)]
148	[40 CFR 63.785(c)(1)(ii)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: Notify the persons responsible for applying the coating that no thinning solvent may be added to the coating by affixing a label to each container of coating in the batch or through another means described in the implementation plan required in 40 CFR 63.787(b). Subpart II. [40 CFR 63.785(c)(1)(ii)]
149	[40 CFR 63.785(c)(1)(iii)]	Coatings to which thinning solvent (or any other material) will not be added under any circumstance or to which only water is added: The certified as-applied VOC content of each batch of coating used during a calendar month must be less than or equal to the applicable VOHAP limit in 40 CFR 63.783(a). Subpart II. [40 CFR 63.785(c)(1)(iii)]
150	[40 CFR 63.785(c)(2)(i)]	Coatings to which thinning solvent is routinely or sometimes added: Designate a single thinner for the coating and calculate the maximum allowable thinning ratio(s) for each batch using 40 CFR 63.785(c)(2)(i) Equations 1 and 2 , prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(i)]
151	[40 CFR 63.785(c)(2)(ii)]	Coatings to which thinning solvent is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch of the coating by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(2)(ii)]
152	[40 CFR 63.785(c)(2)(iii)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of each batch of the coating used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iii)]
153	[40 CFR 63.785(c)(2)(iv)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the total allowable volume of thinner for the coating used during the previous month using 40 CFR 63.785(c)(2)(iv) Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(iv)]
154	[40 CFR 63.785(c)(2)(v)]	Coatings to which thinning solvent is routinely or sometimes added: Determine the volume of thinner actually used with the coating during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(2)(v)]
155	[40 CFR 63.785(c)(2)(vi)]	Coatings to which thinning solvent is routinely or sometimes added: The volume of thinner actually used with the coating [determined in 40 CFR 63.785(c)(3)(v)] must be less than or equal to the total allowable volume of thinner for the coating [determined in 40 CFR 63.785(c)(3)(iv)]. Subpart II. [40 CFR 63.785(c)(2)(vi)]
156	[40 CFR 63.785(c)(3)(i)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Designate a single thinner to be added to each coating during the month and "group" coatings according to their designated thinner. Subpart II. [40 CFR 63.785(c)(3)(i)]
157	[40 CFR 63.785(c)(3)(ii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Calculate the maximum allowable thinning ratio(s) for each batch of coating in the group using the equations in 40 CFR 63.785(c)(2), prior to the first application of each batch. Subpart II. [40 CFR 63.785(c)(3)(ii)]

CRG 0016 Dust Collector Requirements - TAP Dust Collector Requirements (99.90% efficiency)

158	[40 CFR 63.785(c)(3)(iii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Notify painters and other persons, as necessary, of the designated thinner and maximum allowable thinning ratio(s) for each batch in the group by affixing a label to each container of coating or through another means described in the implementation plan required in 40 CFR 63.787(b), prior to the first application of each "batch". Subpart II. [40 CFR 63.785(c)(3)(iii)]
159	[40 CFR 63.785(c)(3)(iv)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of each batch of the group used, as supplied, during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(iv)]
160	[40 CFR 63.785(c)(3)(v)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the total allowable volume of thinner for the group for the previous month using 40 CFR 63 Subpart II Equation 3 by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(v)]
161	[40 CFR 63 785(c)(3)(vi)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: Determine the volume of thinner actually used with the group during the previous month by the 15th day of each calendar month. Subpart II. [40 CFR 63.785(c)(3)(vi)]
162	[40 CFR 63.785(c)(3)(vii)]	Coatings to which the same thinning solvent (or other material) is routinely or sometimes added: The volume of thinner actually used with the group [determined in 40 CFR 63.785(c)(3)(vi)] must be less than or equal to the total allowable volume of thinner for the group [determined in 40 CFR 63.785(c)(3)(v)]. Subpart II. [40 CFR 63.785(c)(3)(vii)]
163	[40 CFR 63.786(d)]	Use or ensure that the manufacturer uses the form and procedures mentioned in 40 CFR 63 Subpart II Appendix A to determine values for thinner and coating parameters used in 40 CFR 63 Subpart II Equations 1 and 2. Ensure that the coating/thinner manufacturer (or supplier) provides information on the VOC and VOHAP contents of the coatings/thinners and the procedure(s) used to determine these values. Subpart II. [40 CFR 63.786(d)]
164	[40 CFR 63 786]	Determine compliance with 40 CFR 63.785(c)(1) through (c)(4) using the methods specified in 40 CFR 63.786(a) through (c), as applicable. Subpart II.
165	[40 CFR 63.787(a)]	Comply with all applicable notification requirements in 40 CFR 63.9(a) through (d) and (i) through (j), with the exception that the deadline specified in 40 CFR 63.9(b)(2) and (3) shall be extended from 120 days to 180 days. Subpart II. [40 CFR 63.787(a)]
166	[40 CFR 63.787(b)(1)]	Prepare a written implementation plan that addresses each of the subject areas specified in 40 CFR 63.787(b)(3). Subpart II. [40 CFR 63.787(b)(1)]
167	[40 CFR 63.788(a)]	Comply with the applicable recordkeeping and reporting requirements in 40 CFR 63.10(a), (b), (d), and (f). Subpart II. [40 CFR 63.788(a)]
168	[40 CFR 63.788(b)]	Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the information specified in 40 CFR 63.788(b)(1) through (b)(4), as applicable, for a minimum of 5 years. Subpart II. [40 CFR 63.788(b)]
169	[40 CFR 63.788(c)]	Submit report: Due before the 60th day following completion of each 6-month period after the compliance date specified in 40 CFR 63.784. Submit all of the information that must be retained pursuant to 40 CFR 63.788(b)(2) and (b)(3), except for that information specified in 40 CFR 63.788(b)(2)(i) and (b)(2)(ii), (b)(2)(v), (b)(3)(i)(A), (b)(3)(ii)(A), and (b)(3)(iii)(A). If a violation is detected, also report the information specified in 40 CFR 63.788(b)(4) for the reporting period during which the violation(s) occurred. To the extent possible, organize the report according to the compliance procedure(s) followed each month. Subpart II. [40 CFR 63.788(c)]
170	[LAC 33:III.2123.C]	Shall comply with the VOC emission limits of the section.

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CRG 0016 Dust Collector Requirements - TAP Dust Collector Requirements (99.90% efficiency)

171	[LAC 33:III.2123.D.3]	Determine compliance by the procedure specified in "Control of Volatile Organic Emissions for Existing Stationary Sources. Vol. 2-Surface Coating of Cans, Coils, Paper, Fabric, Autos and Lt. Duty Trucks", (EPA 450/2-77-008), the procedures specified in "Measurement of Volatile Organic Compounds" (EPA-450/2-78-041), a method approved by DEQ or certification from the paint manufacturer concerning the solvent makeup of the paint. Treat exempt solvents the same as water in calculating the VOC content per gallon of coating.
172	[LAC 33:III.2123.E]	Determine compliance with LAC 33:III.2123.A, C, and D by applying the test methods specified in LAC 33:III.2123.E.1 through E.6, as appropriate.
173	[LAC 33:III.2123.F]	Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in LAC 33:III.2123.F.1 through F.4 to verify compliance with LAC 33:III.2123. Maintain records for at least two years.
174	[LAC 33:III.2123.H]	Comply with the requirements of LAC 33:III.2123 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2123 as a result of a revision of LAC 33:III.2123.
175	[LAC 33:III.507.H.1.a]	Particulate matter (10 microns or less) >= 99.90 % removal efficiency from filter manufacturer's certification. Which Months: All Year Statistical Basis: None specified
176	[LAC 33:III.507.H.1.a]	Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
177	[LAC 33:III.507.H.1.a]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. Which Months: All Year Statistical Basis: None specified
178	[LAC 33:III.507.H.1.a]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
179	[LAC 33:III.507.H.1.a]	Visible emissions: Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, shut down the affected unit and restore operation of the filter to its normal or usual manner of operation before resuming operation of the affected unit.
180	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
181	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no additional controls.
182	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be compliance with 40 CFR 63 Subpart II.

EQT 0076 098 - Diesel Loading - Diesel Loading

183	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
184	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no additional controls.

EQT 0104 GF50 - Barge and Ship Tank Vent for Cleaning - Barge and Ship Tank Vent for Cleaning

EQT 0104 GF50 - Barge and Ship Tank Vent for Cleaning - Barge and Ship Tank Vent for Cleaning

185	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
186	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no additional controls.

EQT 0105 GF51 - Product Loading/Unloading for Storage/Sale - Product Loading/Unloading for Storage/Sale

187	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
188	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no controls.

EQT 0110 GF56 - Tank Truck Loading - Tank Truck Loading

189	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
190	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no additional controls.

FUG 0003 FSA - Fugitives From Spent Abrasive Loading - Fugitives From Spent Abrasive Loading

191	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

FUG 0004 FCS - Carpentry Shop Fugitives From Hopper Unloadi - Carpentry Shop Fugitives From Hopper Unloading

192	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

FUG 0005 FG - Fugitives From Glues, Cleaners, and Adhesives - Fugitives From Glues, Cleaners, and Adhesives

193	[LAC 33:III.5109]	Good housekeeping practices conducted to minimize spills. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed. These measures are determined as MACT.

FUG 0006 FW - Fugitives From Welding - Fugitives From Welding

194	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

FUG 0006 FW - Fugitives From Welding - Fugitives From Welding

195	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
196	[LAC 33:III.5109.A.1]	Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be increased use of Flux Core Arc Welding and Submerged Arc Welding where possible.

FUG 0007 FFA - Fugitives From Fiberglassing Activities - Fugitives From Fiberglassing Activities

197	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
198	[LAC 33:III.5109]	Good housekeeping practices conducted to minimize spills. All containers, tanks, vats, drums, and piping systems are free of cracks, holes, and other defects and remain closed unless materials are being added to or removed. These measures are determined as MACT.

FUG 0008 GF14 - Gas Free Plant Fugitive Emissions - Gas Free Plant Fugitive Emissions

199	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
200	[LAC 33:III.5109]	Best practical housekeeping and maintenance practices must be maintained at the highest possible standards to reduce TAP emissions. Determined as MACT.

FUG 0009 FFR - Fugitives from Facility Roads - Fugitives from Facility Roads

201	[LAC 33:III.1305]	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7.

GRP 0004 SC-CAP - Surface Coating Emissions Cap

Group Members: ARE 0002 EQT 0183 EQT 0185 EQT 0187 EQT 0188 EQT 0189 RLP 0020 RLP 0021 RLP 0022 RLP 0023 RLP 0024 RLP 0025 RLP 0026 RLP 0027 RLP 0037 RLP 0038 RLP 0039 RLP 0040 RLP 0041

202	[LAC 33:III.507.H.1.a]	Toxic air pollutants (TAP), VOC, PM10 and TSP monitored by technically sound method continuously.
203	[LAC 33:III.507.H.1.a]	Submit report: Due annually, by the 31st of March, unless othewise directed by DEQ. Report the total Toxic Air Pollutant (TAP), VOC, PM10 and TSP emissions and the total emissions of each individual TAP for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
204	[LAC 33:III.507.H.1.a]	Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total Toxic Air Pollutant (TAP), VOC, PM10 and TSP emissions as well as the total emissions of each individual TAP each month. Keep records of the total Toxic Air Pollutant (TAP), VOC, PM10 and TSP emissions and the total emissions of each individual TAP for the last twelve months. Make records available for inspection by DEQ personnel.

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GRP 0004 SC-CAP - Surface Coating Emissions Cap

205	[LAC 33:III.507.H.1.a]	Total emissions <= GRP 0004 SC-CAP emission limits provided in Emission Rates For Criteria Pollutants and Emission Rates For TAP/HAP & Other Pollutants for all Surface Coating Emissions. Non-VOC TAPs combined <= TSP emission limit of 128.00 tons/yr. Noncompliance with these limitations is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the Total emissions for all Surface Coating Emissions exceed the maximum listed in GRP 0004 SC-CAP emission limits provided in Emission Rates For Criteria Pollutants and Emission Rates For TAP/HAP & Other Pollutants, or if the Total emissions for all Non-VOC TAPs combined exceed the TSP emission limit of 128.00 tons/yr, for any twelve consecutive month period.
206	[LAC 33:III.5107.A.2]	Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
207	[LAC 33:III.5109]	Shall comply with 40 CFR 63 Subpart II. Determined as MACT.

GRP 0005 GFP-CAP - Gas Free Plant Emissions Cap

Group Members: EQT 0099 EQT 0103 EQT 0104 EQT 0105 EQT 0106 EQT 0107 EQT 0108 EQT 0109 EQT 0110 EQT 0154 EQT 0155 EQT 0156 EQT 0157 EQT 0158 EQT 0159 EQT 0160 EQT 0161 EQT 0164 EQT 0165 EQT 0166 EQT 0167 EQT 0168 EQT 0169 EQT 0170 EQT 0171 EQT 0172 EQT 0173 EQT 0174 EQT 0175 EQT 0176 EQT 0177 EQT 0178 EQT 0179 EQT 0180 EQT 0200 EQT 0201 EQT 0202 EQT 0203 EQT 0204 FUG 0008

208	[LAC 33:III.507.H.1.a]	VOC, Total <= 24.66 tons/yr for all tanks combined. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if VOC emissions exceed the maximum listed in this specific condition for any twelve consecutive month period. Which Months: All Year Statistical Basis: None specified
209	[LAC 33:III.507.H.1.a]	Tank inventories monitored by technically sound method continuously.
210	[LAC 33:III.507.H.1.a]	Tank inventories recordkeeping by electronic or hard copy monthly. Keep records of the total inventory of all tanks combined each month, as well as the total inventory for all tanks combined for the last twelve months. Make records available for inspection by DEQ personnel.
211	[LAC 33:III.507.H.1.a]	Submit report: Due annually, by the 31st of March, unless otherwise directed by DEQ. Report the VOC, Total emissions for all tanks combined for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

GRP 0006 PDC-CAP - Portable Dust Collectors Emission Cap

Group Members: EQT 0072 EQT 0073 EQT 0074 EQT 0075 EQT 0115 EQT 0116 EQT 0117 EQT 0012 EQT 0033 EQT 0034 EQT 0037 EQT 0038 EQT 0039 EQT 0040 EQT 0041 EQT 0042 EQT 0043 EQT 0044 EQT 0055 EQT 0056 EQT 0057 EQT 0058 EQT 0059 EQT 0060 EQT 0061 EQT 0066 EQT 0070 EQT 0071

212	[LAC 33.III.507.H.1.a]	Particulate matter (10 microns or less) <= 0.79 tons/yr for all Portable Dust Collectors combined. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if PM10 emissions for all Portable Dust Collectors combined exceed the maximum listed in this specific condition for any twelve consecutive month period. Which Months: All Year Statistical Basis: None specified
213	[LAC 33:III.507.H.1.a]	Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time for each Portable Dust Collector each month, as well as the total operating time for each Portable Dust Collector for the last twelve months. Make records available for inspection by DEQ personnel.

GRP 0006 PDC-CAP - Portable Dust Collectors Emission Cap

214	[LAC 33:III.507.H.1.a]	Operating time for each Portable Dust Collector monitored by technically sound method continuously.
215	[LAC 33:III.507.H.1.a]	Submit report: Due annually, by the 31st of March, unless otherwise directed by DEQ. Report the PM10 emissions for all Portable Dust Collectors combined for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

GRP 0007 FBH-CAP - Facility Baghouses Emission Cap

Group Members: EQT 0016 EQT 0017 EQT 0024 EQT 0027 EQT 0045 EQT 0080 EQT 0081 EQT 0124 EQT 0125 EQT 0126 EQT 0127 EQT 0128 EQT 0131 EQT 0132 EQT 0133 EQT 0134 EQT 0135 EQT 0136 EQT 0137 EQT 0138 EQT 0139 EQT 0140 EQT 0149 EQT 0150 EQT 0151 EQT 0152 EQT 0153 EQT 0190 EQT 0191

216	[LAC 33:III.507.H.1.a]	Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time for each Facility Baghouse each month, as well as the total operating time for each Facility Baghouse for the last twelve months. Make records available for inspection by DEQ personnel.
217	[LAC 33:III.507.H.1.a]	Operating time for each Facility Baghouse monitored by technically sound method continuously.
218	[LAC 33:III.507.H.1.a]	Particulate matter (10 microns or less) <= 0.90 tons/yr for all Facility Baghouses combined. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if PM10 emissions for all Facility Baghouses exceed the maximum listed in this specific condition for any twelve consecutive month period. Which Months: All Year Statistical Basis: None specified
219	[LAC 33:III.507.H.1.a]	Submit report: Due annually, by the 31st of March, unless otherwise directed by DEQ. Report the PM10 emissions for all Facility Baghouses combined for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

GRP 0008 MNGC-CAP - Misc Natural Gas Combustion Units (> 1 MMBtu/hr) Emissions Cap

Group Members: EQT 0001 EQT 0002 EQT 0004 EQT 0006 EQT 0007 EQT 0010 EQT 0011 EQT 0015 EQT 0046 EQT 0047 EQT 0048 EQT 0049 EQT 0098 RLP 0013 RLP 0014 RLP 0015 RLP 0016 RLP 0017 RLP 0018 RLP 0170 RLP 0171

220	[LAC 33:III.507.H.1.a]	Submit report: Due annually, by the 31st of March, unless otherwise directed by DEQ. Report the quantity of natural gas combusted by all Miscellaneous Natural Gas Combustion Units (>= 1 MMBtu/hr) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
221	[LAC 33:III.507.H.1.a]	Natural gas <= 520.66 MM scf/yr for all Miscellaneous Natural Gas Combustion Units (>= 1 MMBtu/hr) combined. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the VOC, Total emissions for all Miscellaneous Natural Gas Combustion Units (>= 1 MMBtu/hr) combined exceed the maximum listed in this specific condition for any twelve consecutive month period. Which Months: All Year Statistical Basis: None specified
222	[LAC 33:III.507.H.1.a]	Natural gas recordkeeping by electronic or hard copy monthly. Keep records of the total quantity combusted by all Miscellaneous Natural Gas Combustion Units (>= 1 MMBtu/hr) each month, as well as the total quantity combusted by all Miscellaneous Natural Gas Combustion Units (>= 1 MMBtu/hr) for the last twelve months. Make records available for inspection by DEQ personnel.
223	[LAC 33:III.507.H.1.a]	Quantitiy of natural gas used by all Miscellaneous Natural Gas Combustion Units (>= 1 MMBtu/hr) monitored by technically sound method continuously.

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GRP 0009 MDC-CAP - Misc Diesel-fired Combustion Units (> 1 MMBtu/hr) Emissions Cap

Group Members: EQT 0088 EQT 0089 EQT 0090 EQT 0091 EQT 0092 EQT 0093 EQT 0094 EQT 0100 EQT 0101 EQT 0102 EQT 0192

224	[LAC 33:III.507.H.1.a]	Submit report: Due annually, by the 31st of March, unless otherwise directed by DEQ. Report the emissions produced by all Miscellaneous Diesel Fired Combustion Units (> 1 MMBtu/hr) for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
225	[LAC 33:III.507.H.1.a]	Quantity of Fuel Oil No. 2 used for each Miscellaneous Diesel Fired Combustion Unit (> 1 MMBtu/hr) monitored by technically sound method continuously.
226	[LAC 33:III.507.H.1.a]	Fuel Oil No. 2 recordkeeping by electronic or hard copy monthly. Keep records of the quantity combusted for each Miscellaneous Diesel Fired Combustion Unit (> 1 MMBtu/hr) each month, as well as the quantity combusted for each Miscellaneous Diesel Fired Combustion Unit (> 1 MMBtu/hr) for the last twelve months. Make records available for inspection by DEQ personnel.
227	[LAC 33:III.507.H.1.a]	Total emissions <= GRP 0009 MDC-CAP emission limits provided in Emission Rates For Criteria Pollutants and Emission Rates For TAP/HAP & Other Pollutants for all Miscellaneous Diesel Fired Combustion Units (> 1 MMBtu/hr) combined. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the Total emissions for all Miscellaneous Diesel Fired Combustion Units (> 1 MMBtu/hr) combined exceed the maximum listed in GRP 0009 MDC-CAP emission limits provided in Emission Rates For Criteria Pollutants and Emission Rates For TAP/HAP & Other Pollutants for any twelve consecutive month period.

GRP 0010 BCM-CAP - Burning and Cutting Machines and Associated Dust Collectors Emissions Cap

Group Members: EQT 0077 EQT 0078 EQT 0079 EQT 0193 EQT 0194 EQT 0195 EQT 0196 EQT 0197 EQT 0198 EQT 0199 EQT 0205 EQT 0206 EQT 0207 EQT 0208 EQT 0211 EQT 0212 EQT 0213 EQT 0214 EQT 0215

228	[LAC 33:III.507.H.1.a]	Submit report: Due annually, by the 31st of March, unless otherwise directed by DEQ. Report the emissions produced by all Burning and Cutting Machines and associated Dust Collectors for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
229	[LAC 33:III.507.H.1.a]	Operating time for each Burning and Cutting Machine and associated Dust Collector monitored by technically sound method continuously.
230	[LAC 33:III.507.H.1.a]	Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time for each Burning and Cutting Machine and associated Dust Collector each month, as well as the total operating time for each Burning and Cutting Machine and associated Dust Collector for the last twelve months. Make records available for inspection by DEQ personnel.
231	[LAC 33:III.507.H.1.a]	Total emissions <= GRP 0010 BCM-CAP emission limits provided in Emission Rates For Criteria Pollutants and Emission Rates For TAP/HAP & Other Pollutants for all Burning and Cutting Machines and associated Dust Collectors combined. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the Total emissions for all Burning and Cutting Machines and associated Dust Collectors combined exceed the maximum listed in GRP 0010 BCM-CAP emission limits provided in Emission Rates For Criteria Pollutants and Emission Rates For TAP/HAP & Other Pollutants for any twelve consecutive month period.

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232	[40 CFR 60.]	All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
233	[40 CFR 61.145(b)(1)]	Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
234	[40 CFR 61.148]	Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
235	[40 CFR 63.]	All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
236	[40 CFR 70.5(a)(1)(iii)]	Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
237	[40 CFR 70.6(a)(3)(iii)(A)]	Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
238	[40 CFR 70.6(a)(3)(iii)(B)]	Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
239	[40 CFR 70.6(c)(5)(iv)]	Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
240	[40 CFR 82.Subpart F]	Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B.
241	[LAC 33:III.1303.B]	Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
242	[LAC 33:III.2113.A]	Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
243	[LAC 33:III.219]	Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
244	[LAC 33:III.2901.D]	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.
245	[LAC 33:III.2901.F]	If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

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246	[LAC 33:III.501.C.6]	Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only).
247	[LAC 33:III.5105.A.1]	Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard.
248	[LAC 33:III.5105.A.2]	Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.
249	[LAC 33:III.5105.A.3]	Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
250	[LAC 33:III.5105.A.4]	Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A.
251	[LAC 33:III.5107.A.2]	Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
252	[LAC 33:III.5107.A]	Submit Annual Emissions Report: Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
253	[LAC 33:III.5107.B.1]	Submit Emergency Conditions notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
254	[LAC 33:III.5107.B.2]	Submit Emission Control Bypasses notification: Due to Single Point of Contact (SPOC), Office of Environmental Compliance, Emergency and Radiological Services Division, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33:I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33:I.3923.
255	[LAC 33:III.5107.B.3]	Submit Nonemergency Conditions notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:I.3931. Submit notification in the manner provided in LAC 33:I.3923.
256	[LAC 33:III.5107.B.4]	Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.

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257	[LAC 33:III.5107.B.5]	Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
258	[LAC 33:III.5113.A.1]	Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
259	[LAC 33:III.5113.A.2]	Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
260	[LAC 33:III.5151.F.1.f]	An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
261	[LAC 33:III.535]	Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]
262	[LAC 33:III.5611.A]	Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.
263	[LAC 33:III.5611.B]	During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.
264	[LAC 33:III.5901.A]	Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
265	[LAC 33:III.919.D]	Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.

INVENTORIES

AI ID: 593 - Northrop Grumman Shipbuilding Inc
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Avondale Shipyard						
ARE 0001	056 - Outdoor Blasting - Outdoor Blasting		20000 tons/yr	20000 tons/yr		8760 hr/yr
ARE 0002	057 - Outdoor Painting - Outdoor Painting					8760 hr/yr
EQT 0001	007 - Stress Relief Furnace (Bldg. 214) - Stress Relief Furnace (Bldg. 214)		16.24 MM BTU/hr	12.99 MM BTU/hr		3000 hr/yr
EQT 0002	008 - Angle/Plate Furnace (Bldg 214) - Angle/Plate Furnace (Bldg 214)		8500 ft^3/hr	6800 ft^3/hr		2912 hr/yr
EQT 0004	017 - Plate Shop Blast Plant Pre-Dry Oven (Bldg. 9 - Plate Shop Blast Plant Pre-Dry Oven (Bldg. 908)		1800 ft^3/hr	1440 ft^3/hr		8760 hr/yr
EQT 0006	019 - Plate Shop Blast Plant Final-Dry Oven (Bldg. - Plate Shop Blast Plant Final-Dry Oven (Bldg. 908)		4 MM BTU/hr	3.2 MM BTU/hr		8760 hr/yr
EQT 0007	022A - Portable Boiler - Portable Boiler		10.5 MM BTU/hr	8.4 MM BTU/hr		8760 hr/yr
EQT 0010	022G - Portable Boiler - Portable Boiler		10.5 MM BTU/hr	8.4 MM BTU/hr		8760 hr/yr
EQT 0011	022H - Portable Boiler - Portable Boiler		10.5 MM BTU/hr	8.4 MM BTU/hr		8760 hr/yr
EQT 0012	024 - Shot Blast Tumble Unit Dust Collector - Shot Blast Tumble Unit Dust Collector		2000 ft^3/min	2000 ft^3/min		1040 hr/yr
EQT 0015	036 - Structural Blast Plant Final Dry Oven - Structural Blast Plant Final Dry Oven		3.2 MM BTU/hr	2.56 MM BTU/hr		8760 hr/yr
EQT 0016	037 - Steel Shot Panel Line Edge Blaster Dust Coll - Steel Shot Panel Line Edge Blaster Dust Collector		5500 ft^3/min	5500 ft^3/min		4160 hr/yr
EQT 0017	041 - Carpentry Shop Dust Collector (Bldg. 110) - Carpentry Shop Dust Collector (Bldg. 110)		135.14 tons/yr	135.14 tons/yr		4160 hr/yr
EQT 0021	050D - Gasoline Storage Tank No. 2 - Gasoline Storage Tank No. 2			65100 gallons/yr		8760 hr/yr
EQT 0022	050E - Gasoline Storage Tank No. 4 - Gasoline Storage Tank No. 4			510000 gallons/yr		8760 hr/yr
EQT 0024	053 - Pipe Shop Dust Collector (Bldg. 118) - Pipe Shop Dust Collector (Bldg. 118)		7300 ft^3/min	7300 ft^3/min		2920 hr/yr
EQT 0027	066A - Plate Shop Blast Building Vacuum Producer - Plate Shop Blast Building Vacuum Producer		1 tons/hr	1 tons/hr		2190 hr/yr
EQT 0033	073A - Portable Dust Collector A - Portable Dust Collector A		2224 lb/hr	1112 tons/yr		1000 hr/yr
EQT 0034	073B - Portable Dust Collector B - Portable Dust Collector B		2224 tons/yr	1112 tons/yr		1000 hr/yr
EQT 0037	078A - Portable Vacuum Trailer 1 - Portable Vacuum Trailer 1		1 tons/hr	1 tons/hr		7200 hr/yr
EQT 0038	078B - Portable Vacuum Trailer 2 - Portable Vacuum Trailer 2		1 tons/hr	1 tons/hr		7200 hr/yr
EQT 0039	078C - Portable Vacuum Trailer 3 - Portable Vacuum Trailer 3		1 tons/hr	1 tons/hr		7200 hr/yr
EQT 0040	078D - Portable Vacuum Trailer 4 - Portable Vacuum Trailer 4		1 tons/hr	1 tons/hr		7200 hr/yr
EQT 0041	078E - Portable Vacuum Trailer 5 - Portable Vacuum Trailer 5		1 tons/hr	1 tons/hr		7200 hr/yr
EQT 0042	078F - Portable Vacuum Trailer 6 - Portable Vacuum Trailer 6		1 tons/hr	1 tons/hr		7200 hr/yr

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General Information

AI ID: 593 Northrop Grumman Shipbuilding Inc - Avondale Facility
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

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General Information

AI ID: 593 Northrop Grumman Shipbuilding Inc - Avondale Facility
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Robert Merchent	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	bob.merchent@rgc.c	Responsible Official for
Robert Merchent	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Responsible Official for
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046543010 (WP)	Emission Inventory Contact for
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545770 (WF)	Emission Inventory Contact for
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	tuyen.nguyen@ngc.c	Emission Inventory Contact for
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046543010 (WP)	Air Permit Contact For
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046543010 (WP)	Waste Tires Contact for
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	tuyen.nguyen@ngc.c	Air Permit Contact For
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	tuyen.nguyen@ngc.c	Waste Tires Contact for
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545770 (WF)	Waste Tires Contact for
Tuyen Nguyen	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545770 (WF)	Air Permit Contact For

Related Organizations:

Name	Address	Phone (Type)	Relationship
Avondale Industries Inc	5100 River Rd Avondale, LA 70094		Formerly owned
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Owns
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Owns
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Radiation Registration Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Radiation Registration Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Water Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Water Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Air Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Air Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Haz. Waste Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Haz. Waste Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Radiation License Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Radiation License Billing Party for
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Emission Inventory Billing Party
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Emission Inventory Billing Party
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545200 (WF)	Operates
Northrop Grumman Shipbuilding Inc	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Operates

NAIC Codes: 336611, Ship Building and Repairing

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General Information

AI ID: 593 Northrop Grumman Shipbuilding Inc - Avondale Facility
Activity Number: PER20060008
Permit Number: 1340-00015-V1
Air - Title V Regular Permit Minor Mod

Also Known As:

ID	Name	User Group	Start Date
1340-00015	Northrop Grumman Ship Systems Inc - Avondale Operations - Main Yard	CDS Number	08-05-2002
94-3041767	Northrop Grumman Ship Systems	Federal Tax ID	10-08-2002
LAD000740712	Northrop Grumman Ship Systems - Avondale	Hazardous Waste Notification	12-07-1983
LA0000060	LPDES #	LPDES Permit #	05-22-2003
LAR05M191	LPDES #	LPDES Permit #	05-22-2003
LAR10B887	LPDES #	LPDES Permit #	06-25-2003
WP1584	LWDPS #	LWDPS Permit #	06-25-2003
	Avondale Operations - Main Yard	Multimedia	10-06-2003
	Priority 2 Emergency Site	Priority 2 Emergency Site	07-19-2006
LA-0711-L01A	Radioactive Material License	Radiation License Number	04-30-2008
0711	X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GT-051-5791	Site Id #	Solid Waste Facility No.	05-27-1993
95-86140001	Northrop Grumman Ship Systems	State Tax ID	10-08-2002
3592	Northrop Grumman	TEMPO Merge	11-19-2002
40660	Avondale Industries Inc	TEMPO Merge	06-26-2001
11795	Waste Tires-ineligible Fleet	Waste Tire Facility ID Number	05-27-2005

Physical Location: 5100 River Rd
Avondale, LA 70094

Main FAX: 5044287284
Main Phone: 2289357757

Mailing Address: PO Box 50280 MS 240-1-1
New Orleans, LA 701500280

Location of Front Gate: 29° 55' 13" latitude, 90° 11' 26" longitude, Coordinate Method: Lat.\Long. - DMS, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Drue Deshotels	PO Box 50280 New Orleans, LA 701500280	5044287369 (WP)	Hazardous Waste Permit Contact For
Charles Long	PO Box 50280 New Orleans, LA 701500280	c.long@ngc.com (El	Radiation Contact For
Charles Long	PO Box 50280 New Orleans, LA 701500280	5044365698 (WF)	Radiation Contact For
Charles Long	PO Box 50280 New Orleans, LA 701500280	5046545115 (WP)	Radiation Contact For
Charles Long	PO Box 50280 New Orleans, LA 701500280	c.long@ngc.com (El	Radiation Safety Officer for
Charles Long	PO Box 50280 New Orleans, LA 701500280	5044365698 (WF)	Radiation Safety Officer for
Charles Long	PO Box 50280 New Orleans, LA 701500280	5046545115 (WP)	Radiation Safety Officer for
Charles Long	PO Box 50280 New Orleans, LA 701500280	5043907833 (CP)	Radiation Contact For
Charles Long	PO Box 50280 New Orleans, LA 701500280	5043907833 (CP)	Radiation Safety Officer for
Robert Merchent	PO Box 50280 MS 240-1-1 New Orleans, LA 701500280	5046545000 (WP)	Responsible Official for

TPOR0148

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