# COMMONWEALTH of VIRGINIA

**DEPARTMENT OF ENVIRONMENTAL QUALITY**
TIDEWATER REGIONAL OFFICE
5636 Southern Boulevard, Virginia Beach, Virginia 23462
(757) 518-2000 Fax (757) 518-2103
www.deq.virginia.gov

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

Francis L. Daniel
Regional Director

Permit No: VA0004804
Effective Date: October 16, 2007
Modification Date: October 1, 2009
Expiration Date: October 15, 2012

AUTHORIZATION TO DISCHARGE UNDER THE

VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM

AND

THE VIRGINIA STATE WATER CONTROL LAW

In compliance with the provisions of the Clean Water Act as amended and pursuant to the State Water Control Law and regulations adopted pursuant thereto, the following owner is authorized to discharge in accordance with the effluent limitations, monitoring requirements, and other conditions set forth in this permit.

Owner: Northrop Grumman Shipbuilding, Inc.
Facility Name: Northrop Grumman Shipbuilding, Inc.
City: Newport News
County: N/A
Facility Location: 4101 Washington Avenue, Newport News, VA

The owner is authorized to discharge to the following receiving stream:

Stream: James River
River Basin: James River (Lower)
River Subbasin: N/A
Section: 1
Class: II
Special Standards: a, z, bb, NEW-19

The authorized discharge shall be in accordance with this cover page, Part I - Effluent Limitations and Monitoring Requirements and Part II - Conditions Applicable To All VPDES Permits, as set forth herein.

Francis L. Daniel

Francis L. Daniel

October 1, 2009

Date

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 001, 007, 012, 031, 033, 039, 040, 050, and 149 (Once Through, Noncontact Cooling Water from Vessels in Graving docks and Drydocks)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 43 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/ Year | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/ Year | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st Quarter (January 1 - March 31); 2nd Quarter (April 1 - June 30); 3rd Quarter (July 1 - September 30); 4th Quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

1/Year = January 1 - December 31

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 002 and 016 (Dynamometer testing, Air Conditioning Condensate (the only discharge allowed for 016), and Steam Condensate).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature ($^{o}$C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1$^{st}$ Quarter (January 1 - March 31); 2$^{nd}$ Quarter (April 1 - June 30); 3$^{rd}$ Quarter (July 1 - September 30); 4$^{th}$ Quarter (October 1 - December 31). Sample results shall be reported by the 10$^{th}$ of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 003 (Air Conditioner Condensate from Buildings 17, 93, and 94, Ogontz valve discharge, ice machine condensate, and Steam Condensate from various buildings)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31).

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 004 and 023 (Steam Condensate (004,023)and Air Conditioning Condensate (023)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/6 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/6 Months | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/6 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31).

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 005 (Fire Protection System Drainage, Air Conditioning Condensate, Meter Calibration Water, Non-contact cooling water, and Steam Condensate)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Total Recoverable Zinc (ug/l) [b] [c] | NA | NA | NA | 1335 | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31).

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[c] See Part I.B. for Schedule of Compliance. No monitoring or reporting required until after the completion of the schedule.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 006, 042, 043, 163, 165, and 167 (Fire Protection System Drainage (006), Drinking Fountain Drainage (006), vehicle wash water (006), Steam Condensate (006)and Air Conditioning Condensate (006). Deionizer Regeneration Water from the Nancy Lee Barge (042, 163, 165, 167), Deionizer Regeneration Water from B-1812 (043) and Boiler Feed Water from the Nancy Lee (042, 163, 165,167)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Total Suspended Solids (TSS) (mg/l) [c] | NA | NA | NA | 60 | 1/ Year | Grab |
| Oil & Grease (mg/l) [c] | NA | NA | NA | 15 | 1/ Year | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31).

1/Year = January 1 – December 31

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[c] Outfall 006 only. Samples must be taken at times when vehicle wash water is the contribution source.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall: 010(ANNUAL pump test water, and utility tunnel stormwater)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/Year | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/Year | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/Year | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/Year | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/Year | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I. S. = Immersion Stabilization

1/Year = January 1 - December 31

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.B.4. and I.B.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 013, 017, 024, 027, 032 and 034 (Process Waste Water and Cooling Water from Graving Dock Drainage. Stormwater also discharges from these outfalls)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Total Suspended Solids (mg/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Total Petroleum Hydrocarbons TPH (mg/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Chlorine, Total Residual TRC (mg/l) [b][c] | NA | NA | NA | 1.2 | 1/3 Months | Grab |
| Tributyltin (ug/l) [b] [d] | NA | NA | NA | 0.720 | 1/3 Months | 3G/24Hr |
| Tributyltin (grams/yr) [d] | NA | NA | NA | 5 | 1/Year | Calculated |

NA = Not Applicable. NL = No limitation, however, reporting is required.

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.
1/Year = January 1 - December 31.
3G/24HR = For tributyltin, a minimum of three separate grab samples of wastewater treatment plant effluent representative of the discharge shall be collected within one 24-hour period.

[a] Sampling over the life of the permit shall be representative of all the different activities which occur at the permitted outfall, especially including generated hull process waters, as defined below. The activity from which the process water originated must be specified within the comments section of each submitted discharge monitoring report for the outfall.
Process wastewater related to hull work shall be any water used on a vessel's hull for any purpose, including, but not limited to the activities of removing marine salts, marine growth, sediments and paint or other hull cleaning activities using water such as preparing hull areas for inspection or work (e.g., cutting, welding, grinding)and deionized water from pipe flushing. Process water also includes stormwater that comes in contact with the activities listed in this section while a vessel is in dock.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[c] Monitoring for chlorine is not required when chlorination is not occurring. However, during such events notification of no chlorination on the Discharge Monitoring Report (DMR) is required.
[d] To be sampled each day when TBT work is being performed or TBT wastewaters generated. See special condition I.E.for additional information on TBT reporting.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 014, 018, 025, 028, and 035 (Dewatering Outfalls for Drydocks 1 and 2 [014], Drydock 3 [018], Drydocks 10 and 11 [025], Drydock 12 [028], and Drydock 4 [035].)

Such discharges shall be limited and monitored by the permittee as specified below:

NO MONITORING REQUIRED AT THESE OUTFALLS. THESE DISCHARGES MUST MEET THE CONDITIONS FOR SHIPYARD REPAIR FACILITIES, MARINE RAILWAYS, AND SHIPWAYS AS SPECIFIED UNDER SPECIAL CONDITION I.C.3. WITHIN THIS PERMIT REGARDING BEST MANAGEMENT PRACTICES. WHILE NO MONITORING IS REQUIRED, A CERTIFICATION OF COMPLIANCE WITH BEST MANAGEMENT PRACTICES SHALL BE SUBMITTED ON A MONTHLY BASIS FOR THESE OUTFALLS. THERE SHALL BE NO DISCHARGE OF PROCESS WASTEWATER FROM THESE OUTFALLS.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 015 (Steam Condensate, AC Condensate from B-78, water softener regeneration water, and river cooling water).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 43 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 019 (Steam Condensate and Air Conditioning Condensate from various buildings and deionized test water from building 161)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature ($^{o}$C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1$^{st}$ Quarter (January 1 – March 31); 2$^{nd}$ Quarter (April 1 - June 30); 3$^{rd}$ Quarter (July 1 - September 30); 4$^{th}$ Quarter (October 1 – December 31). Sample results shall be reported by the 10$^{th}$ of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 020 (Air Conditioning Condensate and Steam Condensate from B-160 and B-4557 (AC only), and Ogontz valve discharges).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature ($^{o}$C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1$^{st}$ Quarter (January 1 - March 31); 2$^{nd}$ Quarter (April 1 - June 30); 3$^{rd}$ Quarter (July 1 - September 30); 4$^{th}$ Quarter (October 1 - December 31). Sample results shall be reported by the 10$^{th}$ of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 021 (Cooling Tower Blowdown, Air Conditioner Cooling Water, Submarine Cooling Water, Steam Condensate, AC Condensate, hydrostatic test water from water hose testing, and Ogontz Valve Discharges.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NL | NA | NA | NL | 1/Month | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/Month | Grab |
| Temperature (°C) | NA | NA | NA | 43 | 1/Month | I.S. |
| Chlorine, Total Residual TRC (mg/l) [b] | 1.2 | NA | NA | 1.2 | 1/Month | Grab |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |

NA = Not Applicable. NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfall.
[b] See Part I.C.4. and I.C.5. For quantification levels and reporting requirements, respectively.

Monitoring for chlorine is not required when chlorination is not occurring. However, during such events notification of no chlorination on the Discharge Monitoring Report (DMR) is required.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 022 (Submarine Cooling Water and Air Conditioning Condensate)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NL | NA | NA | NL | 1/Month | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/Month | Grab |
| Temperature (°C) | NA | NA | NA | 43 | 1/Month | I.S. |
| Chlorine, Total Residual TRC (mg/l) [c] | 0.08 | NA | NA | 0.08 | 1/Month | Grab |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I. S. = Immersion Stabilization

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfall.
[b] See Part I.C.4. and I.C.5. For quantification levels and reporting requirements, respectively.
[c] Monitoring for chlorine is not required when chlorination is not occurring. However, during such events notification of no chlorination on the Discharge Monitoring Report (DMR) is required.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 026 (Steam Condensate, Drinking Fountain Discharge, and Air Conditioning Condensate).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature ($^{o}$C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1$^{st}$ Quarter (January 1 - March 31); 2$^{nd}$ Quarter (April 1 - June 30); 3$^{rd}$ Quarter (July 1 - September 30); 4$^{th}$ Quarter (October 1 - December 31). Sample results shall be reported by the 10$^{th}$ of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall: 030(Air Conditioning Condensate, Steam Condensate, cooling tower overflow from building 556, furnace discharges, and ogontz valve discharge).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 037 (Steam Condensate, groundwater relief from drydock 4, and Ogontz valve discharges).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 038 (Steam Condensate, groundwater relief from drydock 4, and Ogontz valve discharges).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 38 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/6 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 041, 162, 164, and 166 (Noncontact Boiler Cooling Water and Boiler Blowdown from the Nancy Lee Barge).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 43 | 1/3 Months | I.S. |
| Dissolved Copper (Net) (ug/l) [b] [c] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.
I. S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls
[b] See Part I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[c] Dissolved Copper (Net) is the difference between the Influent Dissolved Copper Value and the Dissolved Copper Value in the discharge. Sample collection for these parameters must be as close to the same time as possible.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 044 (Process Waste Water and Cooling Water Discharges from the Floating Drydock.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Total Suspended Solids (TSS) (mg/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Total Petroleum Hydrocarbons (TPH) (mg/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Tributyltin (ug/l) [b] [c] | NA | NA | NA | 0.720 | 1/3 Months | 3G/24Hr |
| Tributyltin (grams/yr) [c] | NA | NA | NA | 5 | 1/Year | Calculated |

NA = Not Applicable. NL = No limitation, however, reporting is required.

1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.
1/Year = Between January 1 and December 31.
3G/24HR = For tributyltin, a minimum of three separate grab samples of wastewater treatment plant effluent representative of the discharge shall be collected within one 24-hour period.

[a] Sampling over the life of the permit shall be representative of all the different activities which occur at the permitted outfall, especially including generated hull process waters, as defined below. The activity from which the process water originated must be specified within the comments section of each submitted discharge monitoring report for the outfall.
Process wastewater related to hull work shall be any water used on a vessel's hull for any purpose, including, but not limited to the activities of removing marine salts, marine growth, sediments and paint or other hull cleaning activities using water such as preparing hull areas for inspection or work (e.g., cutting, welding, grinding)and deionized water from pipe flushing. Process water also includes stormwater that comes in contact with the activities listed in this section while a vessel is in dock.

[b] See Part I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[c] To be sampled each day when TBT work is being performed or TBT wastewaters generated. See special condition I.E. for additional information on TBT reporting.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 045 (Contact Cooling Water from Rheostats at Pier 2.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature (°C) | NA | NA | NA | 43 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Total Recoverable Zinc (ug/l) [b] [c] | NA | NA | NA | 180 | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st Quarter (January 1 - March 31); 2nd Quarter (April 1 - June 30); 3rd Quarter (July 1 - September 30); 4th Quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[c] See Part I.B. for Schedule of Compliance. No monitoring or reporting required until after the completion of the schedule.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 047, 048, and 160(Contact Cooling Water from Rheostats at Pier 5, 6, and 3 respectively)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature ($^{o}$C) | NA | NA | NA | 43 | 1/3 Months | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st Quarter (January 1 - March 31); 2nd Quarter (April 1 - June 30); 3rd Quarter (July 1 - September 30); 4th Quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 049(Contact Cooling Water from Rheostats at Outberth #1)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/3 Months | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/3 Months | Grab |
| Temperature ($^{o}C$) | NA | NA | NA | 43 | 1/3 Months | I.S. |
| Total Recoverable Copper (ug/l) [b] [c] | NA | NA | NA | 19 | 1/3 Months | Grab |
| Total Recoverable Zinc (ug/l) [b] [c] | NA | NA | NA | 180 | 1/3 Months | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/3 Months = In accordance with the following schedule: 1st Quarter (January 1 - March 31); 2nd Quarter (April 1 - June 30); 3rd Quarter (July 1 - September 30); 4th Quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[c] See Part I.B. for Schedule of Compliance. No monitoring or reporting required until after the completion of the schedule.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 084 (Steam Condensate)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/Year | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/Year | Grab |
| Temperature ($^{o}$C) [a] | NA | NA | NA | 43 | 1/Year | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/Year | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/Year | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/Year = Between January 1 and December 31.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 094 (AC Condensate, Steam Condensate, Ogontz valve discharges, and drinking fountain discharges).

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/Year | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/Year | Grab |
| Temperature ($^{o}$C) | NA | NA | NA | 43 | 1/Year | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/Year | Grab |
| Total Recoverable Zinc (ug/l) [b] [c] | NA | NA | NA | 180 | 1/Year | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/Year = Between January 1 and December 31.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[c] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[d] See Part I.B. for Schedule of Compliance. No monitoring or reporting required until after the completion of the schedule.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 112 (Steam Condensate, AC cooling water and River Cooling Water)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|---|---|
| | Monthly Average | Weekly Average | Minimum | Maximum | Frequency | Sample Type |
| Flow (MGD) | NA | NA | NA | NL | 1/Year | Estimate |
| pH (S.U.) | NA | NA | 6.0 | 9.0 | 1/Year | Grab |
| Temperature (°C) | NA | NA | NA | NL | 1/Year | I.S. |
| Dissolved Copper (ug/l) [b] | NA | NA | NA | NL | 1/Year | Grab |
| Dissolved Zinc (ug/l) [b] | NA | NA | NA | NL | 1/Year | Grab |

NA = Not Applicable.
NL = No limitation, however, reporting is required.

I.S. = Immersion Stabilization

1/Year = Between January 1 and December 31.

[a] Samples are to be collected during times when storm water is not contributing flow to the outfalls.
[b] See Parts I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Upon issuance of the permit, Discharge Monitoring Reports (DMRs) shall be submitted to the regional office at the frequency required by the permit regardless of whether an actual discharge occurs. In the event that there is no discharge for the monitoring period, then "no discharge" shall be reported on the DMR.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 904, 915, 916, 052, 956, 058, 068, 071, 984, 994, 819, 127, and 128 (Stormwater Outfalls associated with industrial activity where monitoring is required. These outfalls are permitted for only stormwater.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|
| | Minimum | Maximum | Frequency | Sample Type |
| Flow - Precipitation Event (MG) | NA | NL | 1/3 Months | Estimate [b] |
| pH (S.U.) [d] | 6.0 | 9.0 | 1/ Year | Grab |
| pH (S.U.), Precipitation Event [e] [f] | NL | NL | 1/ Year | Grab |
| Total Suspended Solids(TSS) (mg/l) [c] | NA | NL | 1/3 Months | Grab |
| Total Petroleum Hydrocarbons (mg/l) [c] | NA | NL | 1/ Year | Grab |
| Dissolved Copper (ug/L) [c] | NA | NL | 1/3 Months | Grab |
| Dissolved Zinc (ug/L) [c] | NA | NL | 1/3 Months | Grab |
| Dissolved Aluminum (ug/L) [c] [g] | NA | NL | 1/ Year | Grab |
| Dissolved Iron (mg/L) [c] [g] | NA | NL | 1/ Year | Grab |

NA = Not Applicable; NL = No limitation, however, reporting is required.
NOTE: Outfall numbers preceded by an 8 or 9 can have process or cooling water in their discharge in addition to storm water. (956 = 056 and 819 = 119 in dry weather)
1/3 Months = In accordance with the following schedule: 1st quarter (January 1 - March 31); 2nd quarter (April 1 - June 30); 3rd quarter (July 1 - September 30); 4th quarter (October 1 - December 31). Sample results shall be reported by the 10th of the month following the sampling period.

1/Year = Between January 1 and December 31.

[a] See Part I.F.3. (General Storm Water Conditions) for additional storm water sampling and reporting requirements.
[b] Estimate of the total volume of the discharge during the storm event.
[c] See Part I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[d] If the pH value of the effluent is less than the minimum pH limitation above (6.0 S.U.), then the minimum pH limitation shall be equal to the rainfall pH value.
[e] Reporting shall only be required if the effluent pH is less than 6.0 S.U. If not reported, "NR" shall be reported on the DMR. The pH value of the precipitation causing a discharge shall be used for comparison to the effluent pH. Samples taken for this purpose shall be representative of the precipitation, and collected prior to contacting any soils, buildings or other impervious surfaces at the facility. The permittee shall sample and report this rainfall pH with the DMR.
[f] See Part I.C.9 for additional instructions regarding pH precipitation monitoring requirements.
[g] To be monitored at outfall 128 only. Monitoring is only for stormwater associated with the foundry.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): **905, 921** and **812** (Stormwater Outfalls associated with industrial activity where monitoring is required. These outfalls are permitted for only stormwater.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|
| | Minimum | Maximum | Frequency | Sample Type |
| Flow - Precipitation Event (MG) | NA | NL | 1/6 Months | Estimate [b] |
| pH (S.U.) [d] | 6.0 | 9.0 | 1/ Year | Grab |
| pH (S.U.), Precipitation Event [e] [f] | NL | NL | 1/ Year | Grab |
| Total Suspended Solids(TSS) (mg/l) [c] | NA | NL | 1/6 Months | Grab |
| Total Petroleum Hydrocarbons (mg/l) [c] | NA | NL | 1/ Year | Grab |
| Dissolved Copper (ug/L) [c] | NA | NL | 1/6 Months | Grab |
| Dissolved Zinc (ug/L) [c] | NA | NL | 1/6 Months | Grab |

NA = Not Applicable; NL = No limitation, however, reporting is required.

NOTE: Outfall numbers preceded by an 8 or 9 can have process or cooling water in their discharge in addition to storm water. (956 = 056 and 984 = 084 in dry weather)

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31).

1/Year = Between January 1 and December 31.

[a] See Part I.F.3. (General Storm Water Conditions) for additional storm water sampling and reporting requirements.
[b] Estimate of the total volume of the discharge during the storm event.
[c] See Part I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[d] If the pH value of the effluent is less than the minimum pH limitation above (6.0 S.U.), then the minimum pH limitation shall be equal to the rainfall pH value.
[e] Reporting shall only be required if the effluent pH is less than 6.0 S.U. If not reported, "NR" shall be reported on the DMR. The pH value of the precipitation causing a discharge shall be used for comparison to the effluent pH. Samples taken for this purpose shall be representative of the precipitation, and collected prior to contacting any soils, buildings or other impervious surfaces at the facility. The permittee shall sample and report this rainfall pH with the DMR.

[f] See Part I.C.9 for additional instructions regarding pH precipitation monitoring requirements.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): **140, 142, OR 144** (Represents Outfalls 134, 135, 136, 137, 138, 139, 141, 143, 145, 146, 158, and 159)(Stormwater Outfalls associated with industrial activity where monitoring is required. These outfalls are permitted for only stormwater. Any one of the three outfalls may be monitored and reported on the DMR.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|
| | Minimum | Maximum | Frequency | Sample Type |
| Flow - Precipitation Event (MG) | NA | NL | 1/ Year | Estimate [b] |
| pH (S.U.) [d] | 6.0 | 9.0 | 1/ Year | Grab |
| pH (S.U.), Precipitation Event [e] [f] | NL | NL | 1/ Year | Grab |
| Total Suspended Solids(TSS) (mg/l) [c] | NA | NL | 1/ Year | Grab |
| Total Petroleum Hydrocarbons (mg/l) [c] | NA | NL | 1/ Year | Grab |
| Dissolved Copper (ug/L) [c] | NA | NL | 1/ Year | Grab |
| Dissolved Zinc (ug/L) [c] | NA | NL | 1/ Year | Grab |

NA = Not Applicable; NL = No limitation, however, reporting is required.

NOTE: Outfall numbers preceded by an 8 or 9 can have process or cooling water in their discharge in addition to storm water. (956 = 056 and 984 = 084 in dry weather)

1/Year = Between January 1 and December 31.

[a] See Part I.F.3. (General Storm Water Conditions) for additional storm water sampling and reporting requirements.
[b] Estimate of the total volume of the discharge during the storm event.
[c] See Part I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[d] If the pH value of the effluent is less than the minimum pH limitation above (6.0 S.U.), then the minimum pH limitation shall be equal to the rainfall pH value.
[e] Reporting shall only be required if the effluent pH is less than 6.0 S.U. If not reported, "NR" shall be reported on the DMR. The pH value of the precipitation causing a discharge shall be used for comparison to the effluent pH. Samples taken for this purpose shall be representative of the precipitation, and collected prior to contacting any soils, buildings or other impervious surfaces at the facility. The permittee shall sample and report this rainfall pH with the DMR.
[f] See Part I.C.9 for additional instructions regarding pH precipitation monitoring requirements.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): **097** (Represents Outfalls 074, 075, 077-080, 082, 083, 085-088, 090-093, 095, 096, 098-111, and 113-118)(Stormwater Outfalls associated with industrial activity where monitoring is required. These outfalls are permitted for only stormwater.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|
| | Minimum | Maximum | Frequency | Sample Type |
| Flow - Precipitation Event (MG) | NA | NL | 1/6 Months | Estimate [b] |
| pH (S.U.) [d] | 6.0 | 9.0 | 1/ Year | Grab |
| pH (S.U.), Precipitation Event [e] [f] | NL | NL | 1/ Year | Grab |
| Total Suspended Solids(TSS) (mg/l) [c] | NA | NL | 1/6 Months | Grab |
| Total Petroleum Hydrocarbons (mg/l) [c] | NA | NL | 1/ Year | Grab |
| Dissolved Copper (ug/L) [c] | NA | NL | 1/6 Months | Grab |
| Dissolved Zinc (ug/L) [c] | NA | NL | 1/6 Months | Grab |

NA = Not Applicable; NL = No limitation, however, reporting is required.
NOTE: Outfall numbers preceded by an 8 or 9 can have process or cooling water in their discharge in addition to storm water. (956 = 056 and 984 = 084 in dry weather)

1/6 Months = In accordance with the following schedule: 1st half (January 1 - June 30); 2nd half (July 1 - December 31).

1/Year = Between January 1 and December 31.

[a] See Part I.F.3. (General Storm Water Conditions) for additional storm water sampling and reporting requirements.
[b] Estimate of the total volume of the discharge during the storm event.
[c] See Part I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[d] If the pH value of the effluent is less than the minimum pH limitation above (6.0 S.U.), then the minimum pH limitation shall be equal to the rainfall pH value.
[e] Reporting shall only be required if the effluent pH is less than 6.0 S.U. If not reported, "NR" shall be reported on the DMR. The pH value of the precipitation causing a discharge shall be used for comparison to the effluent pH. Samples taken for this purpose shall be representative of the precipitation, and collected prior to contacting any soils, buildings or other impervious surfaces at the facility. The permittee shall sample and report this rainfall pH with the DMR.

[f] See Part I.C.9 for additional instructions regarding pH precipitation monitoring requirements.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): **823 and 151** (Stormwater Outfalls associated with industrial activity where monitoring is required. These outfalls are permitted for only stormwater.)

Such discharges shall be limited and monitored by the permittee as specified below:

| EFFLUENT CHARACTERISTICS | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS [a] | |
|---|---|---|---|---|
| | Minimum | Maximum | Frequency | Sample Type |
| Flow - Precipitation Event (MG) | NA | NL | 1/ Year | Estimate [b] |
| pH (S.U.) [d] | 6.0 | 9.0 | 1/ Year | Grab |
| pH (S.U.), Precipitation Event [e] [f] | NL | NL | 1/ Year | Grab |
| Total Suspended Solids(TSS) (mg/l) [c] | NA | NL | 1/ Year | Grab |
| Total Petroleum Hydrocarbons (mg/l) [c] | NA | NL | 1/ Year | Grab |
| Dissolved Copper (ug/L) [c] | NA | NL | 1/ Year | Grab |
| Dissolved Zinc (ug/L) [c] | NA | NL | 1/ Year | Grab |

NA = Not Applicable; NL = No limitation, however, reporting is required.

NOTE: Outfall numbers preceded by an 8 or 9 can have process or cooling water in their discharge in addition to storm water. (956 = 056 and 984 = 084 in dry weather)

1/Year = Between January 1 and December 31.

[a] See Part I.F.3. (General Storm Water Conditions) for additional storm water sampling and reporting requirements.
[b] Estimate of the total volume of the discharge during the storm event.
[c] See Part I.C.4. and I.C.5. for quantification levels and reporting requirements, respectively.
[d] If the pH value of the effluent is less than the minimum pH limitation above (6.0 S.U.), then the minimum pH limitation shall be equal to the rainfall pH value.
[e] Reporting shall only be required if the effluent pH is less than 6.0 S.U. If not reported, "NR" shall be reported on the DMR. The pH value of the precipitation causing a discharge shall be used for comparison to the effluent pH. Samples taken for this purpose shall be representative of the precipitation, and collected prior to contacting any soils, buildings or other impervious surfaces at the facility. The permittee shall sample and report this rainfall pH with the DMR.

[f] See Part I.C.9 for additional instructions regarding pH precipitation monitoring requirements.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts.

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): **009, 029, 051, 053, 054, 055, 057, 059-067, 069, 070, 072, 073, 076, 081, 120-122, 124-126, 129-131, 150, 152, and 153** (Stormwater Outfalls associated with industrial activity where no chemical parameter monitoring is required. These outfalls are permitted for only stormwater.)

THESE OUTFALLS SHALL CONTAIN ONLY STORMWATER RUNOFF ASSOCIATED WITH A REGULATED INDUSTRIAL ACTIVITY. THERE SHALL BE NO DISHCARGE OF PROCESS WASTEWATER FROM THESE OUTFALLS.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning with the permit's effective date and lasting until the permit's expiration date, the permittee is authorized to discharge from outfall(s) number(s): 132, 133, 154-157 (Stormwater Outfalls NOT associated with industrial activity where no chemical parameter monitoring is required. These outfalls are permitted for only stormwater.)

THESE OUTFALLS SHALL CONTAIN ONLY STORMWATER RUNOFF NOT ASSOCIATED WITH A REGULATED INDUSTRIAL ACTIVITY. THERE SHALL BE NO DISHCARGE OF PROCESS WASTEWATER FROM THESE OUTFALLS.

2. There shall be no discharge of floating solids or visible foam in other than trace amounts

B. SCHEDULE OF COMPLIANCE for Total Recoverable Metals

1. The permittee shall achieve compliance with the final limitations and monitoring requirements for Total Recoverable Copper at Outfall 049; Total Recoverable Zinc at Outfalls 005, 045, 049, and 094,; as specified in Part I.A. of this permit in accordance with the following schedule:

| | | |
|---|---|---|
| 1. | **Submit proposed plan for achievement of compliance or Select engineering firm for design of facilities.** | **Within 180 days after the effective date of the permit.** |
| 2. | **Submit Progress Reports to the Tidewater Regional Office.** | **Semiannually from #1. Due each July 10 and January 10** |
| 3. | **Achieve compliance with final limitations.** | **Within 4 years from the effective date of the permit.** |

**Semiannually = January 1 – June 30 and July 1 – December 31**

**No later than 14 calendar days** following a date identified in the above schedule of compliance, the permittee shall submit to the DEQ Tidewater Regional Office, either a **report of progress** or, in the case of specific actions being required by identified dates, a written **notice of compliance or noncompliance**. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

C. OTHER REQUIREMENTS OR SPECIAL CONDITIONS

1. Permit Reopeners

a. Water Quality Standards Reopener

Should effluent monitoring indicate the need for any water quality based limitation, this permit may be modified or, alternatively, revoked and reissued to incorporate appropriate limitations.

b. Nutrient Enriched Waters Reopener

This permit shall be modified or, alternatively, revoked and reissued to include new or alternative nutrient limitations should the State Water Control Board adopt nutrient standards for the Chesapeake Bay and tributary river basins, or if a future water quality regulation, statute, or water quality management plan requires new or alternative nutrient control.

c. Total Maximum Daily Load (TMDL) Reopener

The Board may modify or, alternatively, revoke and reissue this permit if any applicable standard(s) promulgated under section 303(d) of the Clean Water Act or as a result of the development of a TMDL would result in more stringent limits or other requirements in this permit.

2. Notification Levels

The permittee shall notify the Department as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:

(1) One hundred micrograms per liter (100 ug/l);
(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
(3) Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
(4) The level established by the Board.

b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following notification levels:
(1) Five hundred micrograms per liter (500 ug/l);

(2) One milligram per liter (1 mg/l) for antimony;
(3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application.
(4) The level established by the Board.

3. Best Management Practices (BMPs)

The following BMPs are applicable to and shall be implemented at, all locations (including piers and vessel mooring locations) at Newport News Shipbuilding where any vessel, barge, and/or small boat repair, maintenance, retro-fitting, overhaul, and/or refurbishing are conducted.

a. The permittee shall implement the following:

(1) The permittee shall provide adequate disposal services for all sanitary wastes generated by vessels moored or docked at the permitted facility to remove and dispose of all sewage from the vessels by discharge into the permitted facility's sanitary waste system or other appropriate collection means in compliance with the Virginia Department of Health regulations.

(2) The affected and shoreside support areas shall be cleaned on a regular basis to minimize the possibility that runoff will carry spent abrasives, paints, solvents, cleaners, anticorrosive compounds, paint chips, scrap metal, trash, garbage, petroleum products or other debris into the receiving water. Cleanup of areas contributing runoff shall consist of mechanical or manual methods to sweep up and collect the debris.

Mechanical cleanup may be accomplished by mechanical sweepers, front end loaders, vacuum cleaners or other innovative equipment. Manual methods include the use of shovels and brooms.

(3) Drydock decks shall be cleaned before flooding to prevent the discharge of pollutants to the waterway. They shall also be cleaned on a regular basis so as to prevent rain from washing material into receiving waters. Drydock collection and treatment of storm water and/or wastewater may be affected in lieu of frequent and extensive labor intensive cleanup requirements.

(4) Acceptable methods of control shall be utilized during abrasive blasting and spray painting, with the intent of preventing blast dust and overspray from falling into the receiving water. These include the following: downspray of blast materials and paint; barriers or shrouds between the hull and the wing walls of the drydock;

barriers or shrouds hung from the flying bridge to the drydock, from the bow and stern of the vessel, or form temporary structures erected for that purpose. The bottom edge of free hanging barriers shall be weighted to hold them in place during a light breeze. When abrasive blasting vessel superstructures, openings and open areas between decks shall be covered (including but not limited to scuppers, railings, freeing ports, ladders and doorways) if they allow discharge to State waters.

(5) Fixed or floating platforms shall be used as work surfaces when working at the water surface. These platforms shall be used to provide a surface to catch spent abrasive, slag, paint, trash and other debris/pollutants, and shall be cleaned at the end of each work shift.

(6) Dust and overspray from abrasive blasting and painting in yard facilities shall be controlled to minimize the spreading of wind blown materials. Frequent cleanup of these areas shall be practiced to prevent abrasive blasting wastes from being washed into storm sewers or the adjacent waterway.

(7) When water blasting, hydroblasting or watercone blasting is used to remove paint from surfaces, the resulting water and debris shall be collected in a sump or other suitable device. This mixture then will be either delivered to appropriate containers for removal and disposal or subjected to treatment to concentrate the solids for proper disposal and prepare the water for reuse or discharge through an authorized outfall.

(8) When in drydock, all shipboard cooling water and process water shall be directed away from contact with spent abrasive, paint and other debris. Contact of spent abrasive and paint with water will be prevented by proper segregation and control of wastewater streams, unless using suitable wastewater collection systems.

(9) Where possible, water leakage from graving dock gates shall be directed away from contact with spent abrasives, paint and other debris.

(10) The sediment traps in the storm water drainage systems for graving docks and other industrial areas where solid pollutants such as blast grit, paint, and welding slag can accumulate shall be inspected on a monthly basis and cleaned as necessary to ensure interception and retention of solids entering the drainage system. Inspection logs and cleaning records must be maintained.

(11) During the drydocked period, oil, grease, or fuel

spills shall be prevented from reaching State waters. Cleanup shall be carried out promptly after an oil, grease or fuel spill is detected. Oil containment booms shall be conveniently stored so as to be immediately deployable in the event of a spill.

(12) Protective measures shall be required for all oil or oily waste transfer operations to catch incidental spillage and drips from hose nozzles, hose racks, drums or barrels.

(13) Oil contaminated materials shall be removed from the drydock areas as soon as possible, and in all cases prior to submersion of the drydock.

(14) The permittee shall prepare and maintain current all plans and contingency documents required by State and Federal laws and regulations addressing oil storage facilities and/or petroleum product spills. These plans shall be retained at the facility for immediate implementation in the event a petroleum spill occurs. Emulsifiers and dispersants are not to be used as agents to facilitate cleanup and or remediation of petroleum product spills into State waters. The requirements and cleanup referenced above shall also apply to hazardous substances which may be stored at, and /or transshipped through this facility.

(15) Solid chemicals, chemical solutions, paints, oils, solvents, acids, caustic solutions, and waste materials, including used batteries, shall be stored in a manner which will prevent the entry of these materials into State waters. Storage shall be in a manner that will prevent entry into State waters by overfilling, tipping, rupture, or other accidents within the storage area.

(16) All metal finishing chemical solution, caustic wash, and rinsewater tanks shall be stored in such a manner so as to prevent introduction of spills into State waters. Any intercepted chemical spill shall be recycled back to the appropriate chemical solution tank or disposed of. The spilled material must be handled, recycled, or disposed of in such a manner as to prevent its discharge into State waters.

(17) Drip pans or other protective devices shall be required for all paint mixing and solvent transfer operations, unless the mixing operation is carried out in controlled areas away from storm drains, surface waters, shorelines and piers. Drip pans, drop cloths, or tarpaulins shall be used whenever paints and solvents are mixed. Sorbents must be on hand to soak up liquid spills. Paints and solvents

shall not be mixed in areas where spillage would have direct access to State waters unless containment measures are employed.

(18) Paint and solvent spills shall be prevented from reaching storm drains or deck drains and subsequent discharge into the water, and shall be cleaned up promptly.

(19) The amount of paint stored in the drydocks or a lighter's floor shall be kept to a minimum.

(20) Trash receptacles shall be provided and maintained on each pier as necessary to prevent trash from entering State waters.

(21) Leaking connections, valves, pipes, hoses, and soil chutes carrying wastewater shall be replaced or repaired immediately. Soil chute and hose connections to vessels and to receiving lines or containers shall be tightly connected and leak free.

(22) Shoreside hose testing shall be conducted in a manner to preclude spent abrasives, paint residues, and other debris from entering the river.

(23) Floatable and low density waste such as wood and plastic, as well as miscellaneous trash such as paper, insulation, and packaging, etc., shall be removed from the drydock floor prior to flooding or sinking.

(24) The permittee shall provide adequate disposal services for all bilge and ballast water contaminated with oil generated from vessels moored or docked at the permitted facility. Bilge water which has been mixed with industrial waste shall not be discharged directly to State waters and must be collected, treated and disposed of through a permitted shoreside industrial waste treatment facility, or as appropriate, handled as a hazardous waste as required by Virginia's Solid Waste Regulations.

(25) Exterior work on vessels will not be in areas that extend beyond the length/breadth of the drydock unless appropriate precautions are taken to prevent discharge of pollutants into State waters.

(26) Docking and launching time intervals shall not be considered as a rationale for not cleaning a drydock.

(27) Innovative measures for collecting abrasives may be presented for evaluation.

(28) For defined Vessels of the Armed Forces, Section 325

of the National Defense Authorization Act for Fiscal Year (FY) 1996 amended Section 312 of the Clean Water Act (CWA) by adding a section on Uniform National Discharge Standards (UNDS) for Vessels of the Armed Forces. Phase I of the UNDS rulemaking was completed in FY99, with the Environmental Protection Agency (EPA) and the Department of Defense (DoD) jointly identifying 25 specific liquid discharges that require shipboard marine pollution control devices (MPCDs). Phase II of the UNDS is presently on-going and DoD and the USEPA plan to promulgate performance standards for seven UNDS discharges, including underwater ship husbandry.

For all vessels other than Vessels of the Armed Forces as defined by the UNDS, the in-water cleaning of any portion of a vessel's submerged hull (underwater ship husbandry, scamping, etc.) coated with ablative anti-foulant (AF) and anti-corrosion (AC) paints is prohibited.

b. Reporting
The permittee shall provide with the monthly Discharge Monitoring Reports (DMRs), a report certifying compliance or noncompliance with all conditions of the preceding BMPs pertaining to drydocks, piers, wetslips and shoreside work areas. The report shall include a weekly assessment checklist for these areas and a narrative description of observations. The compliance assessment shall be conducted by personnel not routinely associated with the aforementioned activities.

4. Quantification Levels Under Part I.A.

a. The maximum quantification levels (QL) shall be as follows:

| Effluent Characteristic | Quantification Level |
|---|---|
| Chlorine | 0.10 mg/l |
| Total Recoverable Copper | 5.0 ug/l |
| Dissolved Copper | 5.0 ug/l |
| Dissolved Nickel | 40 ug/l |
| Tributyltin | 0.03 ug/l |
| Total Recoverable Zinc | 50 ug/l |
| Dissolved Zinc | 50 ug/l |
| Dissolved Aluminum | 300 ug/l |
| Dissolved Iron | 0.40 mg/l |
| Total Petroleum Hydrocarbons | 5.0 mg/l |
| Total Suspended Solids | 1.0 mg/l |
| Oil and Grease | 5.0 mg/l |

b. The permittee may use any approved method which has a QL equal to or lower than the QL listed in I.C.4.a. above. The QL is defined as the lowest concentration used to calibrate a measurement system in accordance with the procedures published for the method.

c. It is the responsibility of the permittee to ensure that proper QA/QC protocols are followed during the sampling and analytical procedures. QA/QC information shall be documented to confirm that appropriate analytical procedures have been used and the required QLs have been attained.

5. Compliance Reporting Under Part I.A.

a. Monthly Average -- Compliance with the monthly average limitations and/or reporting requirements for the parameters listed in Part I.C.4.a. above shall be determined as follows: All data below the QL listed in Part I.C.4.a. above shall be treated as zero. All data equal to or above the QL shall be treated as it is reported. An arithmetic average shall be calculated using all reported data, including the defined zeros.

This arithmetic average shall be reported on the DMR as calculated. If all data are below the QL, then the average shall be reported as <QL.

b. Daily Maximum - Compliance with the daily maximum limitations and/or reporting requirements for the parameters listed in Part I.C.4.a. above shall be determined as follows: All data below the test method QL listed in Part I.C.4.a. above shall be treated as zero. All data equal to or above the QL shall be treated as reported. An arithmetic average of the values shall be calculated using all reported data, including the defined zeros, collected for each day during the reporting month. The maximum value of these daily averages thus determined shall be reported on the DMR as the daily maximum. If all data are below QL, then the average shall be reported as <QL.

c. Any single datum required shall be reported as "<QL" if it is less than the QL listed in Part I.C.4.a. above. Otherwise, the numerical value shall be reported.

d. Where possible, all limit values on the Part I.A. limits page(s) are expressed in two significant figures. As a result, single, trailing zeros occurring after any single digit are significant. Effluent limits of 10 or greater are rounded to two significant whole numbers, with the exception that loading limits are expressed as whole numbers.

e. The permittee shall report at least the same number of significant figures as the permit limit for a given parameter. Regardless of the rounding convention used (i.e., 5 always rounding up or to the nearest even number) by the permittee, the permittee shall use the convention consistently, and shall ensure that consulting

laboratories employed by the permittee use the same convention.

6. Materials Handling and Storage

Any and all product, materials, industrial wastes, and/or other wastes resulting from the purchase, sale, mining, extraction, transport, preparation and/or storage of raw or intermediate materials, final product, by-product or wastes, shall be handled, disposed of and/or stored in such a manner so as not to permit a discharge of such product, materials, industrial wastes and/or other wastes to State waters, except as expressly authorized.

7. Cooling Water and Boiler Additives

a. If at any time during the life of this permit, the permittee decides to treat any non-contact cooling water unit(s) and/or boiler system(s) with chemical additives [other than those additives currently in use and on file with the DEQ Tidewater Regional Office (TRO)], the following requirements shall be satisfied.

**At least thirty (30) days prior to implementing any chemical addition** to the cooling water and/or boiler equipment, the permittee shall **notify the TRO, in writing**, of the following:

(1) The chemical additives to be employed and their purpose. Provide to the staff for review, a Material Safety Data Sheet (MSDS) for each proposed additive;

(2) Schedule of additive usage; and,

(3) Wastewater treatment and/or retention to be provided during the use of additives.

b. Should the addition of treatment chemicals significantly alter the characteristics of the effluent from the cooling water and/or boiler unit(s) or their usage becomes persistent or continuous, this permit shall be modified or, alternatively, revoked and reissued to include appropriate limitations or conditions.

8. Contribution Source Identification for Specific Outfalls

**Contribution Source Determination**

The permittee shall determine all contribution sources to the following industrial outfalls: **003, 005, 009, 019, 020, 026, 030, 037, 084, 094, 112, 119** and **123** at the facility. The following schedule shall be followed. All submittals shall be to the DEQ-Tidewater Regional Office.

| | |
|---|---|
| Submit a plan for approval for the determination of all industrial outfall contribution sources at the outfalls listed above | No later than **February 1, 2008** |
| Implement approved plan | Within 30 days of approval |
| Submit semi-annual progress reports | First report due **August 10, 2008.** Subsequent reports due February 10 and August 10 of each year |
| Complete source determination plan | No later than **April 1, 2012**<br>Final Report Due **May 1, 2012** |

9. Precipitation Event pH Sampling Requirements

For all stormwater sampling events where the effluent pH is less than 6.0, the facility shall report the precipitation event pH on the DMR. The precipitation event pH shall become the minimum limit against which the effluent pH will be compared. The effluent pH shall not be below the precipitation event pH. A pH precipitation event log must be maintained at the facility. The log shall include the following items:

(1) The type of container used for collection

(2) Documentation of a new container or the last cleaning date of the container used

(3) Date and Time the container was placed outside for precipitation collection

(4) The date and time that the precipitation event started

(5) The time that the pH of the precipitation event was recorded

(6) Container location

Containers used to collect precipitation for pH readings shall be new or washed prior to each use. Acids shall not be used in the washing process for containers used to collect precipitation pH. Containers used for pH precipitation collection shall be placed outside no sooner than 24 hours prior to the precipitation event or be uncovered no sooner than 24 hours prior to the precipitation event. This is to avoid the collection of particulates in the container which can alter the precipitation pH. If the pH of the effluent warrants pH precipitation collection, the pH precipitation reading must be performed within 30 minutes of effluent sample collection. Sample locations used for pH precipitation shall remain consistent throughout the permit term unless there is a documented need for a location change.

## D. TOXICS MANAGEMENT PROGRAM (TMP)

### 1. Biological Monitoring

a. In accordance with the schedule in E.2.below, the permittee shall conduct annual toxicity tests for the duration of the permit.
The permittee shall collect a grab sample of final effluent from outfalls 002, 003, 021, 030, 042, and 044 in accordance with the sampling methodology in Part I.A. of this permit. The grab samples for toxicity testing shall be taken at the same time as the monitoring for the outfall in Part 1.A. of this permit. The tests to use are:

**For outfalls 003, 021, 030, and 042:**

48 Hour Static Acute test using Americamysis bahia

48 Hour Static Acute test using Cyprinodon variegatus

**For outfalls 002 and 044:**

48 Hour Static Acute test using Americamysis bahia

b. The acute tests shall be performed with a minimum of 5 dilutions, derived geometrically, for the calculation of a valid $LC_{50}$. Express the results as $TU_a$ (Acute Toxic Units) by dividing 100/ $LC_{50}$ for reporting.

Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

c. The permittee may provide additional samples to address data variability during the period of initial data generation. These data shall be reported and may be included in the evaluation of the effluent toxicity. Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3.

d. The test dilutions shall be able to determine compliance with the following endpoints:

(1) For outfall 002: Acute $LC_{50}$ of 42% equivalent to a $TU_a$ of 2.4

(2) For outfall 021: Acute $LC_{50}$ of 3.7% equivalent to a $TU_a$ of 27

(3) For outfall 042: Acute $LC_{50}$ of 37% equivalent to a $TU_a$ of 2.7

(4) For all other outfalls: Acute $LC_{50}$ of 100% equivalent to a $TU_a$ of 1.0

2. Reporting Schedule

The permittee shall report the results and supply **two** complete copies of the toxicity test reports to the Tidewater Regional Office in accordance with the schedule below. A complete report must contain a copy of all laboratory benchsheets, certificates of analysis, and all chains of custody. **Attachment A** must be submitted with each complete report. All data shall be submitted within 60 days of the sample date.

| | | |
|---|---|---|
| (a) | Conduct first annual TMP test for outfalls 003, 021, 030, and 042 using Americamysis bahia and Cyprinodon variegatus. Conduct first annual TMP tests for outfalls 002 and 044 using Americamysis bahia. | By December 31, 2008 |
| (b) | Submit results of all biological tests | Within 60 days of the sample date and no later than January 10, 2009 |
| (c) | Conduct subsequent annual TMP tests for the outfalls listed above in (a) | By December 31, 2009, 2010, and 2011 |
| (d) | Submit subsequent annual biological tests | Within 60 days of the sample date and no later than January 10, 2010, 2011 and 2012 |

E. CONDITIONS AND REQUIREMENTS FOR TRIBUTYLTIN (TBT)

1. TBT Notification Requirements, Definitions and Analysis

a. Notification of TBT Use

Each time paints and/or other hull coating materials which contain TBT are either applied and/or removed (hereafter referred to as "used"), the permittee shall notify the Tidewater Regional Office prior to their use. This notification shall be in writing and contain the following information, as a minimum:

(1) estimated quantity to be removed (square footage) and/or applied (gallons); and

(2) anticipated duration of use, estimated quantity of TBT wastewater to be generated and measures to be taken by the permittee (BMPs, collection and treatment, etc.) to minimize release of this toxic pollutant into the receiving stream.

b. TBT Wastewater

For the purposes of this permit, TBT wastewater shall mean the following:

(1) process wastewater generated during repair and maintenance of surfaces coated with TBT anti-foulants, as defined in Part I.A.;

(2) precipitation (rainfall/snowmelt) that commingles with process wastewater defined in (1) above;

(3) sonar dome water containing TBT; or

(4) any other waters that may contain a detectable TBT residue.

c. TBT Analysis

The analytical method for TBT shall be either NBSR 85-3295 or DEQ approved method (see A Manual for the Analysis of Butyltins in Environmental Systems by the Virginia Institute of Marine Science, November 1996). Upon approval by the Environmental Protection Agency, alternative analytical methods for TBT may be incorporated into this permit by reference, and used for testing required by this permit.

2. General TBT Requirements

a. Within the constraints imposed by State and Federal funding, the permittee shall actively and in good faith pursue, investigate and report modifications to system components, supplemental chemicals or feed rates, operation methods and/or other processes involving the

current technology that have a potential to increase treatment efficiency or effectiveness. In addition, the permittee shall, within constraints imposed by State and Federal funding, actively and in good faith research and investigate alternative technology options for TBT wastewater treatment that have the potential to consistently and economically treat TBT wastewater to meet a concentration of 0.05 micrograms per liter (μg/l).

Such research and investigations may include, but not be limited to, literature or internet searches, equipment supplier inquiries, wastewater sample testing by equipment suppliers and laboratories, networking with trade associations members, research by universities, laboratories or commercial entities, utilization of co-op students or interns and other similar related activities.

b. Should a practical and economical alternative treatment technology and/or wastewater management practice be developed capable of consistently achieving the 0.05 μg/l effluent goal, the permittee shall take prompt action to utilize that alternative treatment technology in lieu of the current treatment

3. TBT Wastewater Treatment and Quantification

a. The permittee shall demonstrate good faith efforts to capture all wastewater associated with TBT operations at their facilities and to achieve the 0.05 μg/l effluent goal for wastewater discharged from TBT operations. In no case shall the annual cumulative mass of TBT discharged to State waters, as a result of TBT wastewater treatment activities, exceed 5 grams per year. Only TBT at a concentration at or above the recognized Quantification Level (QL) of 0.03 μg/l in the wastewater discharged from TBT operations shall be included in determining compliance with this mass limitation.

b. The permittee shall treat all TBT wastewater with a treatment system no less effective than the best available and economical technology and practices. For the purpose of this permit, best available technology and practices means the processing of collected TBT wastewater through a dissolved air floatation treatment plant and final filtration/adsorption using activated carbon.

4. TBT Compliance Reporting

a. **The permittee shall collect and report data on TBT effluent levels and treatment system effectiveness for each vessel from which TBT wastewater is discharged to State waters.** These data will include, at a minimum, influent TBT concentrations, effluent TBT concentrations, calculation of the TBT removal efficiency, quantities of wastewater collected, treated and discharged, the calculated mass of TBT discharged for each vessel repair or maintenance job, and the annual cumulative mass of TBT

discharged.

b. **All reports required by this permit shall be submitted to the DEQ's Tidewater Regional Office by not later than March 01 and September 01, of each year.** The March 01 report shall include data obtained between July 01 and December 31. The September 01 report shall include data obtained between January 01 and June 30.

Within thirty (30) days of receipt of the reports identified in the previous condition above, the DEQ, the permittee and other signatories to the Letter of Agreement may meet to discuss the contents of the reports and other issues relative to TBT.

F. STORM WATER MANAGEMENT CONDITIONS

1. Sampling Methodology for Specific Outfalls 904, 905, 915, 916, 921, 052, 956, 058, 068, 071, 984, 994, 097, 812, 819, 823, 127, 128 132, 133, 134 and 151

Due to the nature of the effluent discharged at these outfalls (storm water associated with a regulated industrial activity), the following shall be required when obtaining samples required by Part I.A. of this permit:

a. At the time of sampling, the permittee shall ensure that the effects of tidal influences are kept to an absolute minimum. This can be achieved by:

(1) Sampling at low tide and/or

(2) Sampling at a representative point(s) which has been demonstrated to be free of tidal influences

b. In the event that sampling of an outfall is not possible due to the absence of effluent flow during a particular testing period, the permittee shall provide written notification to DEQ with the DMR for the month following the period in which samples were to be collected.

2. Storm Water Management Evaluation

The Storm Water Pollution Prevention Plan, which is to be developed and maintained in accordance with Part I.F.4. of this permit, shall have a goal of reducing pollutants discharged at all the regulated storm water outfalls.

a. Pollutant Specific Screening

The goal shall place emphasis on reducing, to the maximum extent practicable, the following screening criteria parameters in the outfalls noted below.

| OUTFALL NO. | POLLUTANTS |
|---|---|
| 904,905,915,916,921,052,956,058 068,071,984,994,097,812,819,823, 127,128,132,133,134,151 | Dissolved Copper and Dissolved Zinc |

b. Toxicity Screening

The permittee shall conduct **annual acute toxicity tests** on outfalls 058, 068, 071, 097, 819, 904, 915, 956, and 984 using grab samples of final effluent. These acute screening tests shall be 48-hour static tests using **Americamysis bahia**, conducted in such a manner and at sufficient dilutions for calculation of a valid LC50.

The permittee shall conduct **annual acute toxicity tests** on outfall 127, 151, 812, 823, and 994 using grab samples of final effluent. The acute screening test shall be 48-hour

static tests using **Americamysis bahia and Cyprinodon variegatus** conducted in such a manner and at sufficient dilutions for calculation of a valid LC50.

The tests shall be conducted on a calendar year basis with one copy of all **results and all supporting information results and all supporting information submitted within 60 days of the date that the sample was taken and no later than January 10th of each year. Attachment A shall be submitted with the results.**

Test procedures and reporting shall be in accordance with the WET testing methods cited in 40 CFR 136.3

If any of the biological screening tests are invalidated, an additional test shall be conducted within thirty (30) days of notification. If there is no discharge during this 30-day period, a sample must be taken during the first qualifying discharge.

c. Sampling methodology for the noted outfalls shall be in accordance with Part I.A. and Part I.F. of this permit. The permittee shall submit the following information **with the results of the toxicity tests.**

(1) The actual or estimated effluent flow at the time of the sampling.

(2) An estimate of the total volume of storm water discharged through each outfall during the discharge event.

(3) The time at which the discharge event began, the time at which the effluent was sampled, and the duration of the discharge event.

d. The effectiveness of the SWP3 will be evaluated via the required monitoring for all parameters listed in Part I.A. of this permit for the regulated storm water outfalls, including the screening criteria parameters and toxicity screening. Monitoring results which are either above the screening criteria values or, in the case of toxicity, result in an $LC_{50}$ of less than 100% effluent, will not indicate unacceptable values. However, those results will justify the need to reexamine the effectiveness of the SWP3 and any best management practices (BMPs) being utilized for the affected outfalls. In addition, the permittee shall amend the SWP3 whenever there is a change in the facility or its operation which materially increases the potential for activities to result in a discharge of significant amounts of pollutants.

By February 10th of each year, the permittee shall submit to the DEQ Tidewater Regional Office an annual report which includes the pollutant-specific and **a summary** of the biological monitoring data from the outfalls included in

this condition along with a summary of any steps taken to modify either the Plan or any BMPs based on the monitoring data.

**The first Stormwater Management Evaluation report is due on February 10, 2009.**

e. The permittee may show a demonstrated absence of toxicity and request a waiver from sampling requirements for outfalls included in the toxicity screening under Section F.2.b. of this permit. The following conditions are required to receive a waiver:

(1) A $LC_{50}$ of 100% effluent equivalent to 1.0 $TU_a$ must be met for two consecutive monitoring periods for each required species.

(2) Samples must be taken at the same time as the other Part I.A. monitoring for each outfall.

(3) A waiver request is to be submitted to and approved by the appropriate DEQ regional office. The waiver request must include a summary of the data and a certification that, based on current potential pollutant sources and BMPs used, future discharges from the outfall requesting the waiver are reasonable expected to be the same or cleaner for the remaining monitoring periods. The waiver must be signed and certified in accordance with Part II K of the permit.

3. General Storm Water Conditions

a. Sample Type

For all storm water monitoring required in Part I.A. or other applicable sections of this permit, a minimum of one grab sample shall be taken. Unless otherwise specified, all such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The required 72-hour storm event interval is waived where the preceding measurable storm event did not result in a measurable discharge from the facility. The required 72-hour storm event interval may also be waived where the permittee documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. The grab sample shall be taken during the first hour but not later than three hours of the initiation of a discharge which results from a measurable storm event. If the collection of a grab sample during the first hour is impracticable, a grab sample can be taken during the first three (3) hours of the discharge, and the permittee shall submit with the monitoring report a description of why a grab sample

during the first hour was impracticable. If storm water discharges associated with industrial activity commingle with process or nonprocess water, then where practicable permittees must attempt to sample the storm water discharge before it mixes with the nonstorm water discharge.

b. Recording of Results

For each measurement or sample taken pursuant to the storm event monitoring requirements of this permit, the permittee shall record and report with the Discharge Monitoring Reports (DMRs) the following information:

(1) The date and duration (in hours) of the storm event(s) sampled;

(2) The rainfall measurements or estimates (in inches) of the storm event which generated the sampled discharge; and

(3) The duration between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event.

In addition, the permittee shall maintain a monthly log documenting the amount of rainfall received at this facility on a daily basis. A summarization of this information shall also be submitted with the DMRs.

c. Sampling Waiver

When a permittee is unable to collect storm water samples required in Part I.A., or other applicable sections of this permit, within a specified sampling period due to adverse climatic conditions, the permittee shall provide DEQ with specific justification(s), including a statement certifying that there were no other qualifying rain events during the specified monitoring period. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

d. Representative Discharge

When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes substantially identical effluents are discharged and the DEQ has agreed and approved, the permittee may test the effluent of one of such outfalls and report that the quantitative data also apply to the substantially identical outfall(s) provided that the permittee includes

in the storm water pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area [(i.e., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent)] shall be provided in the plan. The representative discharge provision is not applicable to compliance monitoring requirements under Part I.A. of this permit.

e. Quarterly Visual Examination of Storm Water Quality

Unless another more frequent schedule is established elsewhere within this permit, the permittee shall perform and document a visual examination of a storm water discharge associated with industrial activity from each outfall, or where approved, representative outfalls. The examination(s) must be made at least once in each of the following three-month periods: January through March, April through June, July through September, and October through December.

(1) Examinations shall be made of samples collected within the first hour (or as soon thereafter as practical, but not to exceed 3 hours) of when the runoff or snowmelt begins discharging. The examination shall document observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution. The examination must be conducted in a well lit area. No analytical tests are required to be performed on the samples. All such samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previous measurable (greater than 0.1 inch rainfall) storm event. The required 72-hour storm event interval is waived where the preceding measurable storm event did not result in a measurable discharge from the facility. The required 72-hour storm event interval may also be waived where the permittee documents that less than a 72-hour interval is representative for local storm events during the season when sampling is being conducted. Where practicable, the same individual should carry out the collection and examination of discharges for the entire permit term.

(2) Visual examination reports must be maintained onsite with the pollution prevention plan. The report shall include the outfall location, the examination date and time, examination personnel, the nature of the discharge (i.e., runoff or snow melt), visual

quality of the storm water discharge (including observations of color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen, and other obvious indicators of storm water pollution), and probable sources of any observed storm water contamination.

(3) When a facility has two or more outfalls that, based on a consideration of industrial activity, significant materials, and management practices and activities within the area drained by the outfall, the permittee reasonably believes discharge substantially identical effluents, the permittee may collect a sample of effluent of one of such outfalls and report that the examination data also applies to the substantially identical outfall(s) provided that the permittee includes in the storm water pollution prevention plan a description of the location of the outfalls and explains in detail why the outfalls are expected to discharge substantially identical effluents. In addition, for each outfall that the permittee believes is representative, an estimate of the size of the drainage area (in square feet) and an estimate of the runoff coefficient of the drainage area (i.e., low (under 40 percent), medium (40 to 65 percent), or high (above 65 percent) shall be provided in the plan.

(4) When the permittee is unable to conduct the visual examination due to adverse climatic conditions, the permittee must document the reason for not performing the visual examination and retain this documentation onsite with the records of the visual examinations. Adverse weather conditions that may prohibit the collection of samples include weather conditions that create dangerous conditions for personnel (such as local flooding, high winds, hurricane, tornadoes, electrical storms, etc.) or otherwise make the collection of a sample impracticable (drought, extended frozen conditions, etc.).

f. Releases of Hazardous Substances or Oil in Excess of Reportable Quantities

The discharge of hazardous substances or oil in the storm water discharge(s) from a facility shall be prevented or minimized in accordance with the applicable storm water pollution prevention plan for the facility. This permit does not authorize the discharge of hazardous substances or oil resulting from an onsite spill. Where a release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR 110 (1998), 40 CFR 117 (1998) or 40 CFR 302 (1998) occurs during a 24-hour period, the permittee is required to notify the Department in accordance with the requirements of Part II.G. of this permit as soon as he or

she has knowledge of the discharge. In addition, the storm water pollution prevention plan required by this permit must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate. This permit does not relieve the permittee of the reporting requirements of 40 CFR 110 (1998), 40 CFR 117 (1998) and 40 CFR 302 (1998) or 62.1-44.34:19 of the Code of Virginia.

4. Storm Water Pollution Prevention Plan

A storm water pollution prevention plan shall be developed for the facility. The plan shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with industrial activity from the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. The permittee must implement the provisions of the storm water pollution prevention plan as a condition of this permit. The storm water pollution prevention plan requirements of this permit may be fulfilled by incorporating by reference other plans or documents such as an erosion and sediment control plan, a spill prevention control and countermeasure (SPCC) plan developed for the facility under Section 311 of the Clean Water Act or best management practices (BMP) programs otherwise required for the facility provided that the incorporated plan meets or exceeds the plan requirements of this section. If an erosion and sediment control plan is being incorporated by reference, it shall have been approved by the locality in which the activity is to occur or by another appropriate plan approving authority authorized under the Virginia Erosion and Sediment Control Regulation 4 VAC 50-30-10 et seq. All plans incorporated by reference into the storm water pollution prevention plan become enforceable under this permit.

a. Deadlines for Plan Preparation and Compliance

Existing Facilities

The storm water pollution prevention plan which was previously prepared and implemented shall be complied with, and continually updated as needed in accordance with sections b., c., d. and e. below.

(1) Measures That Require Construction

In cases where construction is necessary to implement measures required by the plan, the plan shall contain a schedule that provides compliance with the plan as expeditiously as practicable, but no later than 3 years after the effective date of

the permit. Where a construction compliance schedule is included in the plan, the schedule shall include appropriate nonstructural and/or temporary controls to be implemented in the affected portion(s) of the facility prior to completion of the permanent control measure.

b. Signature and Plan Review

(1) Signature/Location

The plan shall be signed in accordance with Part II.K. of this permit and be retained onsite at the facility which generates the storm water discharge in accordance with Part II.B. of this permit. For inactive facilities, the plan may be kept at the nearest office of the permittee.

(2) Availability

The permittee shall make the storm water pollution prevention plan, annual site compliance inspection report, or other information available to the Department upon request.

(3) Required Modifications

The Regional Office may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of the permit. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan require modifications in order to meet the minimum requirements of this permit. Within 60 days of such notification, the permittee shall make the required changes to the plan and shall submit to the Regional Office a written certification that the requested changes have been made.

c. Keeping Plans Current

The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance which has a significant effect on the potential for the discharge of pollutants to surface waters of the State or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under section d. below, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with industrial activity. New owners shall review the existing plan and make appropriate changes. Amendments to the plan may be reviewed by the Department in the same manner as noted in section b. above.

d. Contents of Plan

The contents of the pollution prevention plan shall comply with the requirements listed below and those in Part I.E.6. (Facility Specific Storm Water Conditions) of this permit. These requirements are cumulative. The following requirements are applicable to all storm water pollution prevention plans developed under this permit. The plan shall include, at a minimum, the following items.

(1) Pollution Prevention Team

The plan shall identify a specific individual or individuals within the facility organization as members of a storm water Pollution Prevention Team that are responsible for developing the storm water pollution prevention plan and assisting the facility or plant manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's storm water pollution prevention plan.

(2) Description of Potential Pollutant Sources

The plan shall provide a description of potential sources which may reasonably be expected to add significant amounts of pollutants to storm water discharges or that may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. The plan shall identify all activities and significant materials which may potentially be significant pollutant sources. The plan shall include, at a minimum:

(a) Drainage

i. A site map indicating an outline of the portions of the drainage area of each storm water outfall within the facility boundaries, each existing structural control measure to reduce pollutants in storm water runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under section (2)(c) below have occurred, and the locations of the following activities where such activities are exposed to precipitation: fueling stations; vehicle and equipment maintenance and/or cleaning areas; loading/unloading areas; locations used for the treatment, storage or disposal of wastes and wastewaters; locations used for the treatment, filtration or storage of water supplies; liquid storage tanks; processing areas;

and, storage areas. The map must indicate the outfall locations and the types of discharges contained in the drainage areas of these outfalls.

ii. For each area of the facility that generates storm water discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an identification of the types of pollutants which are likely to be present in the storm water discharges. Factors to consider include: the toxicity of chemicals; quantity of chemicals used, produced or discharged; the likelihood of contact with storm water; and, history of significant leaks or spills of toxic or hazardous pollutants. Flows with a significant potential for causing erosion shall be identified.

(b) Inventory of Exposed Materials

An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to storm water between the time of three years prior to the effective date of this permit and the present; method and location of on-site storage or disposal; materials management practices employed to minimize contact of materials with storm water runoff between the time of three years prior to the effective date of this permit and the present; the location and a description of existing structural and non-structural control measures to reduce pollutants in storm water runoff; and a description of any treatment the storm water receives.

(c) Spills and Leaks

A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a storm water conveyance at the facility after the date of three years prior to the effective date of this permit. Such list shall be updated as appropriate during the term of the permit.

(d) Sampling Data

A summary of existing discharge sampling data describing pollutants in storm water discharges from the facility, including a summary of sampling data collected during the term of this permit.

(e) Risk Identification and Summary of Potential Pollutant Sources

A narrative description of the potential pollutant sources from the following activities: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; and, on-site waste disposal practices and wastewater treatment activities to include sludge drying, storage, application or disposal activities. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g., biochemical oxygen demand, total suspended solids, etc.) of concern shall be identified.

(3) Measures and Controls

The permittee shall develop a description of storm water management controls appropriate for the facility and implement these controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of storm water management controls shall address the following minimum components, including a schedule for implementing such controls.

(a) Good Housekeeping

Good housekeeping requires the clean and orderly maintenance of areas which may contribute pollutants to storm water discharges. The plan shall describe procedures performed to minimize contact of materials with storm water runoff. Particular attention should be paid to areas where raw materials are stockpiled, material handling areas, storage areas, liquid storage tanks, material handling areas, and loading/unloading areas.

(b) Preventive Maintenance

A preventive maintenance program shall involve: timely inspection and maintenance of storm water management devices (e.g., cleaning

oil/water separators, catch basins); inspection and testing of facility equipment and systems to uncover conditions that could cause breakdowns or failures which could result in discharges of pollutants to surface waters; and, appropriate maintenance of such equipment and systems.

(c) Spill Prevention and Response Procedures

Areas where potential spills may occur which can contribute pollutants to storm water discharges, and their accompanying drainage points shall be identified clearly in the storm water pollution prevention plan. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves in the plan should be considered. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a clean up should be available to the appropriate personnel.

(d) Inspections

In addition to or as part of the comprehensive site compliance evaluation required under section d.(4) below, qualified facility personnel who are familiar with the industrial activity, the BMPs and the storm water pollution prevention plan shall be identified to inspect designated equipment and areas of the facility at appropriate intervals. The inspection frequency shall be specified in the plan based upon a consideration of the level of industrial activity at the facility, but shall be a minimum of quarterly unless more frequent intervals are specified elsewhere in the permit. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained with the pollution prevention plan.

(e) Employee Training

Employee training programs shall inform personnel responsible for implementing activities identified in the storm water pollution prevention plan or otherwise responsible for storm water management at all levels of responsibility of the components and goals of the storm water pollution prevention plan. Training should address topics such as

spill response, good housekeeping and material management practices. The pollution prevention plan shall identify periodic dates for such training.

(f) Recordkeeping and Internal Reporting Procedures

A description of incidents such as spills, or other discharges, along with other information describing the quality and quantity of storm water discharges shall be included in the pollution prevention plan. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.

(g) Sediment and Erosion Control

The plan shall identify areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion.

(h) Management of Runoff

The plan shall contain a narrative consideration of the appropriateness of traditional storm water management practices [practices other than those which control the generation or source(s) of pollutants] used to divert, infiltrate, reuse, or otherwise manage storm water runoff in a manner that reduces pollutants in storm water discharges from the site. The plan shall provide for the implementation and maintenance of measures that the permittee determines to be reasonable and appropriate. The potential of various sources at the facility to contribute pollutants to storm water discharges associated with industrial activity shall be considered when determining reasonable and appropriate measures. Appropriate measures may include: vegetative swales and practices; reuse of collected storm water (such as for a process or as an irrigation source); inlet controls (such as oil/water separators); snow management activities; infiltration devices; wet detention/retention devices; or, other equivalent measures.

(4) Comprehensive Site Compliance Evaluation

Qualified facility personnel who are familiar with the industrial activity, the BMPs and the storm water pollution prevention plan shall conduct site

compliance evaluations at appropriate intervals specified in the plan, but, in no case less than once a year during the permit term. Such evaluations shall include the following.

(a) Areas contributing to a storm water discharge associated with industrial activity, such as material storage, handling and disposal activities, shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural storm water management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.

(b) Based on the results of the evaluation, the description of potential pollutant sources identified in the plan in accordance with section d.(2) above and pollution prevention measures and controls identified in the plan in accordance with section d.(3) above shall be revised as appropriate within 2 weeks of such evaluation and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than 12 weeks after the evaluation.

(c) A report summarizing the scope of the evaluation, personnel making the evaluation, the date(s) of the evaluation, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with section (4)(b) above shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date of the evaluation. The report shall identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the storm water pollution prevention plan and this permit. The report shall be signed in accordance with Part II.K. of this permit.

(d) Where compliance evaluation schedules overlap with inspections required under section

d.(3)(d), the compliance evaluation may be conducted in place of one such inspection.

e. Special Pollution Prevention Plan Requirements

In addition to the minimum standards listed in section d. above, and those in Part I.E.6. (Facility Specific Storm Water Conditions) of this permit, the storm water pollution prevention plan shall include a complete discussion of measures taken to conform with the following applicable guidelines.

(1) Additional Requirements for Storm Water Discharges Associated with Industrial Activity from Facilities Subject to Emergency Planning and Community Right-to Know Act (EPCRA) Section 313 Requirements In addition to the requirements of Part I.E.6. (Facility Specific Storm Water Conditions) of this permit and other applicable conditions of this permit, storm water pollution prevention plans for facilities subject to reporting requirements under EPCRA Section 313 prior to May 1, 1997, for chemicals which are classified as Section 313 water priority chemicals in accordance with the definition at the end of this section, except as provided in section e.(1)(b)ii. below, and where there is the potential for these chemicals to mix with storm water discharges, shall describe and ensure the implementation of practices which are necessary to provide for conformance with the following guidelines.

(a) In areas where Section 313 water priority chemicals are stored, processed or otherwise handled, appropriate containment, drainage control and/or diversionary structures shall be provided unless otherwise exempted under section e.(1)(c) below. At a minimum, one of the following preventive systems or its equivalent shall be used:

i. Curbing, culverting, gutters, sewers or other forms of drainage control to prevent or minimize the potential for storm water runon to come into contact with significant sources of pollutants; or

ii. Roofs, covers or other forms of appropriate protection to prevent storage piles from exposure to storm water and wind.

(b) In addition to the minimum standards listed under section e.(1) above and except as otherwise exempted under section e.(1)(c) below, the storm water pollution prevention plan shall include a complete discussion of

measures taken to conform with other effective storm water pollution prevention procedures, and applicable state rules, regulations, and guidelines.

i. Liquid Storage Areas Where Storm Water Comes Into Contact with Any Equipment, Tank, Container, or Other Vessel Used for Section 313 Water Priority Chemicals

- No tank or container shall be used for the storage of a Section 313 water priority chemical unless its material and construction are compatible with the material stored and conditions of storage such as pressure, temperature, etc.

- Liquid storage areas for Section 313 water priority chemicals shall be operated to minimize discharges of these chemicals. Appropriate measures to minimize discharges of Section 313 water priority chemicals may include secondary containment provided for at least

- the entire contents of the largest single tank plus sufficient freeboard to allow for precipitation, a strong spill contingency and integrity testing plan, and/or other equivalent measures.

ii. Material Storage Areas for Section 313 Water Priority Chemicals Other Than Liquids

Material storage areas for Section 313 water priority chemicals other than liquids which are subject to storm water runoff, leaching, or wind effects shall incorporate drainage or other control features which will minimize the discharge of Section 313 water priority chemicals by reducing storm water contact with those chemicals.

iii. Truck and Rail Car Loading and Unloading Areas for Liquid Section 313 Water Priority Chemicals

Truck and rail car loading and unloading areas for liquid Section 313 water priority chemicals shall be operated to minimize discharges of those chemicals. Protection such as overhangs or door

skirts to enclose trailer ends at truck loading/unloading docks shall be provided as appropriate. Appropriate measures to minimize discharges of Section 313 chemicals may include: the placement and maintenance of drip pans (including the proper disposal of materials collected in the drip pans) where spillage may occur (such as hose connections, hose reels and filler nozzles) when making and breaking hose connections; a strong spill contingency and integrity testing plan; and/or other equivalent measures.

iv. Areas Where Section 313 Water Priority Chemicals are Transferred, Processed or Otherwise Handled

Processing equipment and materials handling equipment shall be operated so as to minimize discharges of Section 313 water priority chemicals. Materials used in piping and equipment shall be compatible with the substances handled. Drainage from process and materials handling areas shall minimize storm water contact with Section 313 water priority chemicals. Additional protection such as covers or guards to prevent exposure to wind effects, spraying or releases from pressure relief vents from causing a discharge of Section 313 water priority chemicals to the drainage system shall be provided as appropriate. Visual inspections or leak tests shall be provided for overhead piping conveying Section 313 water priority chemicals without secondary containment.

v. Discharges from Areas Covered by Paragraphs i., ii., iii. or iv.

- Drainage from areas covered by paragraphs i., ii., iii. or iv. of this section should be restrained by valves or other positive means to prevent the discharge of a spill or other excessive leakage of Section 313 water priority chemicals. Where containment units are employed, such units may be emptied by pumps or ejectors; however, these shall be manually activated.

- Flapper-type drain valves shall not be used to drain containment areas. Valves used for the drainage of

containment areas should, as far as is practical, be of manual, open-and-closed design.

- If facility drainage is not engineered as above, the final discharge of all in-facility storm sewers shall be equipped to be equivalent with a diversion system that could, in the event of an uncontrolled spill of Section 313 water priority chemicals, return the spilled material to the facility.

- Records shall be kept of the frequency and estimated volume (in gallons) of discharges from containment areas.

vi. Facility Site Runoff Other Than From Areas Covered by i., ii., iii. or iv.

Other areas of the facility [those not addressed in paragraphs i., ii., iii. or iv.], from which runoff which may contain Section 313 water priority chemicals or where spills of Section 313 water priority chemicals could cause a discharge, shall incorporate the necessary drainage or other control features to prevent discharge of spilled or improperly disposed material and ensure the mitigation of pollutants in storm water runoff or leachate.

vii. Preventive Maintenance and Housekeeping

All areas of the facility shall be inspected at specific intervals identified in the plan for leaks or conditions that could lead to discharges of Section 313 water priority chemicals or for direct contact of storm water with raw materials, intermediate materials, waste materials or products. In particular, facility piping, pumps, storage tanks and bins, pressure vessels, process and material handling equipment, and material bulk storage areas shall be examined for any conditions or failures which could cause a discharge. Inspection shall include examination for leaks, corrosion, support or foundation failure, effects of wind blowing, or other forms of deterioration or noncontainment. Inspection intervals shall be specified in the plan and shall

be based on design and operational experience. Different areas may require different inspection intervals. Where a leak or other condition is discovered which may result in significant releases of Section 313 water priority chemicals to waters of the State, action to stop the leak or otherwise prevent the significant release of Section 313 water priority chemicals to waters of the State shall be immediately taken or the unit or process shut down until such action can be taken. When a leak or noncontainment of a Section 313 water priority chemical has occurred, contaminated soil, debris, or other material must be promptly removed and disposed in accordance with Federal, State, and local requirements and as described in the plan.

viii. Facility Security

Facilities shall have the necessary security systems to prevent accidental or intentional entry which could cause a discharge. Security systems described in the plan shall address fencing, lighting, vehicular traffic control, and securing of equipment and buildings.

ix. Training

Facility employees and contractor personnel that work in areas where Section 313 water priority chemicals are used or stored shall be trained in and informed of preventive measures at the facility. Employee training shall be conducted at intervals specified in the plan, but not less than once per year. Training shall address pollution control laws and regulations, the storm water pollution prevention plan and the particular features of the facility and its operation which are designed to minimize discharges of Section 313 water priority chemicals. The plan shall designate a person who is accountable for spill prevention at the facility and who will set up the necessary spill emergency procedures and reporting requirements so that spills and emergency releases of Section 313 water priority chemicals can be isolated and contained before a discharge of those chemicals can occur. Contractor or temporary personnel shall be informed of facility operation and

design features in order to prevent discharges or spills from occurring.

(b) Facilities subject to reporting requirements under EPCRA Section 313 for chemicals that are classified as Section 313 water priority chemicals, in accordance with the definition at the end of this section, that are handled and stored onsite only in gaseous or nonsoluble liquid or solid (at atmospheric pressure and temperature) forms may provide a certification as such in the pollution prevention plan in lieu of the additional requirements in section e.(1) above. Such certification shall include a narrative description of all water priority chemicals and the form in which they are handled and stored, and shall be signed in accordance with Part II.K. of this permit.

(d) The storm water pollution prevention plan shall be certified in accordance with Part II.K. of this permit.

(2) Requirements for Salt Storage

Storage piles of salt used for deicing or other commercial or industrial purposes and which generate a storm water discharge associated with industrial activity which is discharged to surface waters of the State shall be enclosed or covered to prevent exposure to precipitation, except for exposure resulting from adding or removing materials from the pile. Piles do not need to be enclosed or covered where storm water from the pile is not discharged to surface waters of the State.

"Section 313 Water Priority Chemicals" means a chemical or chemical categories which: 1) are listed at 40 CFR Part 372.65 (1998) pursuant to Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also known as Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986) (42 USC 11001 et seq.); 2) are present at or above threshold levels at a facility subject to EPCRA Section 313 reporting requirements; and 3) that meet at least one of the following criteria: (i) are listed in Appendix D of 40 CFR Part 122 (1998) on either Table II (organic priority pollutants), Table III (certain metals, cyanides and phenols) or Table V (certain toxic pollutants and hazardous substances); (ii) are listed as a hazardous substance pursuant to section 311(b)(2)(A) of the Clean Water Act at 40 CFR Part 116.4 (1998); or (iii) are pollutants for which EPA has published acute or chronic water quality criteria.

5. Facility Specific Storm Water Condition:
**Ship and boat building or repair yards**

a. Discharges covered under this section. The requirements

listed under this section apply to storm water discharges associated with industrial activity from facilities engaged in ship building and repairing and boat building and repairing (SIC Code 373). (According to the U.S. Coast Guard, a vessel 65 feet or greater in length is referred to as a ship and a vessel smaller than 65 feet is a boat.)

b. Special conditions. Prohibition of nonstorm water discharges. In addition to the general nonstorm water prohibition in Part I B 1, the following discharges are not covered by this permit: bilge and ballast water, pressure wash water, sanitary wastes, and cooling water originating from vessels.

c. Storm water pollution prevention plan requirements. In addition to the requirements of Part I Section F.4. of this permit, the SWPPP shall include, at a minimum, the following items:
Site description.

(i) Site map. The site map shall identify the locations where any of the following activities may be exposed to precipitation/surface runoff; fueling; engine maintenance/repair; vessel maintenance/repair; pressure washing; painting; sanding; blasting; welding; metal fabrication; loading/unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; liquid storage areas (e.g., paint, solvents, resins); and material storage areas (e.g., blasting media, aluminum, steel, scrap iron).

(ii) Potential pollutant sources. The plan shall include a description of the following additional sources and activities that have potential pollutants associated with them (if applicable): outdoor manufacturing/processing activities (e.g., welding, metal fabricating); and significant dust/particulate generating processes (e.g., abrasive blasting, sanding, painting).

d. Storm water controls.
(a) Good housekeeping measures.

(i) Pressure washing area. If pressure washing is used to remove marine growth from vessels, the discharge water must be permitted as a process wastewater within the VPDES permit.

(ii) Blasting and painting areas. The permittee must describe and implement measures to prevent spent abrasives, paint chips and overspray from discharging into the receiving waterbody or the storm sewer system. To prevent the discharge of contaminants, the permittee shall consider containing all blasting/painting activities, or using other methods, such as hanging plastic barriers or tarpaulins during blasting or painting operations to contain debris. Where necessary, the plan should include a schedule

for regularly cleaning storm systems to remove deposits of abrasive blasting debris and paint chips. The plan should include any standard operating practices with regard to blasting and painting activities , such as the prohibition of uncontained blasting/painting over open water or the prohibition of blasting/painting during windy conditions that can render containment ineffective.

(iii) Material storage areas. All containerized materials (fuels, paints, solvents, waste oil, antifreeze, batteries) must be plainly labeled and stored in a protected, secure location away from drains. The permittee must describe and implement measures to prevent or minimize contamination of precipitation/surface runoff from the storage areas. The plan must specify which materials are stored indoors and consider containment or enclosure for materials that are stored outdoors. The permittee must consider implementing an inventory control plan to limit the presence of potentially hazardous materials on-site. Where abrasive blasting is performed, the plan must specifically include a discussion on the storage and disposal of spent abrasive materials generated at the facility.

(iv) Engine maintenance and repair areas. The permittee must describe and implement measures to prevent or minimize contamination of precipitation/surface runoff from all areas used for engine maintenance and repair. The permittee shall consider the following measures (or their equivalent): performing all maintenance activities indoors; maintaining an organized inventory of materials used in the shop; draining all parts of fluids prior to disposal; prohibiting the practice of hosing down the shop floor; using dry cleanup methods; and treating and/or recycling storm water runoff collected from the maintenance area.

(v) Material handling areas. The permittee must describe and implement measures to prevent or minimize contamination of precipitation/surface runoff from material handling operations and areas (e.g., fueling, paint and solvent mixing, disposal of process wastewater streams from vessels). The permittee shall consider the following methods (or their equivalents): covering fueling areas; using spill/overflow protection; mixing paints and solvents in a designated area (preferably indoors or under a shed); and minimizing runoff of storm water to material handling areas.

(vi) Drydock activities. The plan must address the routine maintenance and cleaning of the drydock to minimize the potential for pollutants in the storm water runoff. The plan must describe the procedures for cleaning the accessible areas of the drydock prior to flooding and final cleanup after the vessel is removed and the dock is raised. Cleanup procedures for oil, grease, or fuel spills occurring on the

drydock must also be included within the plan. The permittee shall consider the following measures (or their equivalents): sweeping rather than hosing off debris/spent blasting material from the accessible areas of the drydock prior to flooding and having absorbent materials and oil containment booms readily available to contain/cleanup any spills.

(vii) General yard area. The plan must include a schedule for routine yard maintenance and cleanup. Scrap metal, wood, plastic, miscellaneous trash, paper, glass, industrial scrap, insulation, welding rods, packaging, etc., must be routinely removed from the general yard area.

(b) Preventative maintenance.
As part of the facility's preventive maintenance program, storm water management devices shall be inspected and maintained in a timely manner (e.g., oil/water separators and sediment traps cleaned to ensure that spent abrasives, paint chips and solids are intercepted and retained prior to entering the storm drainage system). Facility equipment and systems shall also be inspected and tested to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters.

(c) Routine facility inspections.
The following areas shall be included in all monthly inspections: pressure washing area; blasting, sanding, and painting areas; material storage areas; engine maintenance/repair areas; material handling areas; drydock area; and general yard area.

(d) Employee training.
Training shall address, at a minimum, the following activities (as applicable): used oil management; spent solvent management; proper disposal of spent abrasives; proper disposal of vessel wastewaters, spill prevention and control; fueling procedures; general good housekeeping practices; painting and blasting procedures; and used battery management.

(e) Comprehensive site compliance evaluation.
The permittee shall conduct regularly scheduled evaluations at least once a year and address those areas contributing to a storm water discharge associated with industrial activity (e.g., pressure washing area, blasting/sanding areas, painting areas, material storage areas, engine maintenance/repair areas, material handling areas, and drydock area). These sources shall be inspected for evidence of, or the potential for, pollutants entering the drainage system.

6. Facility Specific Storm Water Condition:
**Primary metals**

a. Discharges covered under this section. The requirements listed under this section apply to storm water discharges associated with industrial activity from the following types of facilities in the primary metal industry, and generally described by the SIC code shown:
(i) Steel works, blast furnaces, and rolling and finishing mills, including: steel wire drawing and steel nails and

spikes; cold-rolled steel sheet, strip, and bars; and steel pipes and tubes (SIC Code 331).
(ii) Iron and steel foundries, including: gray and ductile iron, malleable iron, steel investment, and steel foundries not elsewhere classified (SIC Code 332).
(iii) Primary smelting and refining of nonferrous metals, including: primary smelting and refining of copper, and primary production of aluminum (SIC Code 333).
(iv) Secondary smelting and refining of nonferrous metals (SIC Code 334).
(v) Rolling, drawing, and extruding of nonferrous metals, including: rolling, drawing, and extruding of copper; rolling, drawing and extruding of nonferrous metals except copper and aluminum; and drawing and insulating of nonferrous wire (SIC Code 335).
(vi) Nonferrous foundries (castings), including: aluminum die-castings, nonferrous die-castings, except aluminum, aluminum foundries, copper foundries, and nonferrous foundries, except copper and aluminum (SIC Code 336).
(vii) Miscellaneous primary metal products, not elsewhere classified, including: metal heat treating, and primary metal products, not elsewhere classified (SIC Code 339).
Activities covered include, but are not limited to, storm water discharges associated with coking operations, sintering plants, blast furnaces, smelting operations, rolling mills, casting operations, heat treating, extruding, drawing, or forging of all types of ferrous and nonferrous metals, scrap, and ore.

b. Storm water pollution prevention plan requirements
In addition to the requirements of Part III, the plan shall include, at a minimum, the following items.

1. Site description
(i) Site map. The site map shall identify where any of the following activities may be exposed to precipitation/surface runoff: storage or disposal of wastes such as spent solvents/baths, sand, slag/dross; liquid storage tanks/drums; processing areas including pollution control equipment (e.g., baghouses); and storage areas of raw materials such as coal, coke, scrap, sand, fluxes, refractories, or metal in any form. In addition, indicate sources where an accumulation of significant amounts of particulate matter could occur from such sources as furnace or oven emissions, losses from coal/coke handling operations, etc., and that could result in a discharge of pollutants to surface waters.
(ii) Inventory of exposed materials. The inventory of materials handled at the site that potentially may be exposed to precipitation/runoff should include areas where deposition of particulate matter from process air emissions or losses during material handling activities are possible.

2. Storm water controls.

Good housekeeping

The SWPPP should consider implementation of the following measures, or equivalent measures, where applicable.
(i) Establishment of a cleaning/maintenance program for all impervious areas of the facility where particulate matter, dust, or debris may accumulate, especially areas where material loading/unloading, storage, handling, and processing occur.
(ii) The paving of areas where vehicle traffic or material storage occur, but where vegetative or other stabilization methods are not practicable. Sweeping programs shall be instituted in these areas as well.
(iii) For unstabilized areas of the facility where sweeping is not practical, the permittee should consider using storm water management devices such as sediment traps, vegetative buffer strips, filter fabric fence, sediment filtering boom, gravel outlet protection, or other equivalent measures, that effectively trap or remove sediment.

Routine facility inspections.

Inspections shall be conducted at least quarterly, and shall address all potential sources of pollutants, including (if applicable):
(i) Air pollution control equipment (e.g., baghouses, electrostatic precipitators, scrubbers, and cyclones) should be inspected for any signs of degradation (e.g., leaks, corrosion, or improper operation) that could limit their efficiency and lead to excessive emissions. The permittee should consider monitoring air flow at inlets/outlets, or equivalent measures, to check for leaks (e.g., particulate deposition) or blockage in ducts;
(ii) All process or material handling equipment (e.g., conveyors, cranes, and vehicles) should be inspected for leaks, drips, or the potential loss of materials; and
(iii) Material storage areas (e.g., piles, bins or hoppers for storing coke, coal, scrap, or slag, as well as chemicals stored in tanks/drums) should be examined for signs of material losses due to wind or storm water runoff.

# CONDITIONS APPLICABLE TO ALL VPDES PERMITS

A. Monitoring.

1. Samples and measurements taken as required by this permit shall be representative of the monitored activity.

2. Monitoring shall be conducted according to procedures approved under Title 40 Code of Federal Regulations Part 136 or alternative methods approved by the U.S. Environmental Protection Agency, unless other procedures have been specified in this permit.

3. The permittee shall periodically calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals that will insure accuracy of measurements.

B. Records.

1. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;

   b. The individual(s) who performed the sampling or measurements;

   c. The date(s) and time(s) analyses were performed;

   d. The individual(s) who performed the analyses;

   e. The analytical techniques or methods used; and

   f. The results of such analyses.

2. Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period of retention shall be extended automatically during the course of any unresolved litigation regarding the regulated activity or regarding control standards applicable to the permittee, or as requested by the Board.

C. Reporting Monitoring Results.

1. The permittee shall submit the results of the monitoring required by this permit not later than the 10th day of the month after monitoring takes place, unless another reporting

schedule is specified elsewhere in this permit. Monitoring results shall be submitted to:

Department of Environmental Quality
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462

2. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) or on forms provided, approved or specified by the Department.

3. If the permittee monitors any pollutant specifically addressed by this permit more frequently than required by this permit using test procedures approved under Title 40 of the Code of Federal Regulations Part 136 or using other test procedures approved by the U.S. Environmental Protection Agency or using procedures specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or reporting form specified by the Department.

4. Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.

D. Duty to Provide Information.

The permittee shall furnish to the Department, within a reasonable time, any information which the Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Board may require the permittee to furnish, upon request, such plans, specifications, and other pertinent information as may be necessary to determine the effect of the wastes from his discharge on the quality of state waters, or such other information as may be necessary to accomplish the purposes of the State Water Control Law. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.

E. Compliance Schedule Reports.

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

F. Unauthorized Discharges.

Except in compliance with this permit, or another permit issued by the Board, it shall be unlawful for any person to:

1. Discharge into state waters sewage, industrial wastes, other wastes, or any noxious or deleterious substances; or

2. Otherwise alter the physical, chemical or biological

properties of such state waters and make them detrimental to the public health, or to animal or aquatic life, or to the use of such waters for domestic or industrial consumption, or for recreation, or for other uses.

G. Reports of Unauthorized Discharges.

Any permittee who discharges or causes or allows a discharge of sewage, industrial waste, other wastes or any noxious or deleterious substance into or upon state waters in violation of Part II F; or who discharges or causes or allows a discharge that may reasonably be expected to enter state waters in violation of Part II F, shall notify the Department of the discharge immediately upon discovery of the discharge, but in no case later than 24 hours after said discovery. A written report of the unauthorized discharge shall be submitted to the Department, within five days of discovery of the discharge. The written report shall contain:

1. A description of the nature and location of the discharge;

2. The cause of the discharge;

3. The date on which the discharge occurred;

4. The length of time that the discharge continued;

5. The volume of the discharge;

6. If the discharge is continuing, how long it is expected to continue;

7. If the discharge is continuing, what the expected total volume of the discharge will be; and

8. Any steps planned or taken to reduce, eliminate and prevent a recurrence of the present discharge or any future discharges not authorized by this permit.

Discharges reportable to the Department under the immediate reporting requirements of other regulations are exempted from this requirement.

H. Reports of Unusual or Extraordinary Discharges.

If any unusual or extraordinary discharge including a bypass or upset should occur from a treatment works and the discharge enters or could be expected to enter state waters, the permittee shall promptly notify, in no case later than 24 hours, the Department by telephone after the discovery of the discharge. This notification shall provide all available details of the incident, including any adverse affects on aquatic life and the known number of fish killed. The permittee shall reduce the report to writing and shall submit it to the Department within five days of discovery of the discharge in accordance with Part II I 2. Unusual and extraordinary discharges include but are not limited to any discharge resulting from:

1. Unusual spillage of materials resulting directly or indirectly from processing operations;

2. Breakdown of processing or accessory equipment;

3. Failure or taking out of service some or all of the treatment works; and

4. Flooding or other acts of nature.

I. Reports of Noncompliance

The permittee shall report any noncompliance which may adversely affect state waters or may endanger public health.

1. An oral report shall be provided within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which shall be reported within 24 hours under this paragraph:

   a. Any unanticipated bypass; and

   b. Any upset which causes a discharge to surface waters.

2. A written report shall be submitted within 5 days and shall contain:

   a. A description of the noncompliance and its cause;

   b. The period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and

   c. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

The Board may waive the written report on a case-by-case basis for reports of noncompliance under Part II I if the oral report has been received within 24 hours and no adverse impact on state waters has been reported.

3. The permittee shall report all instances of noncompliance not reported under Parts II I 1 or 2, in writing, at the time the next monitoring reports are submitted. The reports shall contain the information listed in Part II I 2.

**NOTE: The immediate (within 24 hours) reports required in Parts II G, H and I may be made to the Department's Regional Office at (757) 518-2000 (voice) or (757) 518-2103 (fax). For reports outside normal working hours, leave a message and this shall fulfill the immediate reporting requirement. For emergencies, the Virginia Department of Emergency Services maintains a 24 hour telephone service at 1-800-468-8892.**

J. Notice of Planned Changes.

1. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to

the permitted facility. Notice is required only when:

a. The permittee plans alteration or addition to any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

(1) After promulgation of standards of performance under Section 306 of Clean Water Act which are applicable to such source; or

(2) After proposal of standards of performance in accordance with Section 306 of Clean Water Act which are applicable to such source, but only if the standards are promulgated in accordance with Section 306 within 120 days of their proposal;

b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations nor to notification requirements specified elsewhere in this permit; or

c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

2. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

K. Signatory Requirements.

1. Applications. All permit applications shall be signed as follows:

a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with

environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

c. For a municipality, state, federal, or other public agency: By either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a public agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2. Reports, etc. All reports required by permits, and other information requested by the Board shall be signed by a person described in Part II K 1, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a. The authorization is made in writing by a person described in Part II K 1;

b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and

c. The written authorization is submitted to the Department.

3. Changes to Authorization. If an authorization under Part II K 2 is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of Part II K 2 shall be submitted to the Department prior to or together with any reports, or information to be signed by an authorized representative.

4. Certification. Any person signing a document under Parts II K 1 or 2 shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information

submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

L. Duty to Comply.

The permittee shall comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the State Water Control Law and the Clean Water Act, except that noncompliance with certain provisions of this permit may constitute a violation of the State Water Control Law but not the Clean Water Act. Permit noncompliance is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under Section 405(d) of the Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if this permit has not yet been modified to incorporate the requirement.

M. Duty to Reapply.

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee shall apply for and obtain a new permit. All permittees with a currently effective permit shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Board. The Board shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

N. Effect of a Permit.

This permit does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorize any injury to private property or invasion of personal rights, or any infringement of federal, state or local law or regulations.

O. State Law.

Nothing in this permit shall be construed to preclude the institution of any legal action under, or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any other state law or regulation or under authority preserved by Section 510 of the Clean Water Act. Except as provided in permit conditions on "bypassing" (Part II U), and "upset" (Part II V) nothing in this permit shall be construed to

relieve the permittee from civil and criminal penalties for noncompliance.

P. Oil and Hazardous Substance Liability.

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Sections 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

Q. Proper Operation and Maintenance.

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes effective plant performance, adequate funding, adequate staffing, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by the permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

R. Disposal of Solids or Sludges.

Solids, sludges or other pollutants removed in the course of treatment or management of pollutants shall be disposed of in a manner so as to prevent any pollutant from such materials from entering state waters.

S. Duty to Mitigate.

The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

T. Need to Halt or Reduce Activity not a Defense.

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

U. Bypass.

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Parts II U 2 and U 3.

2. Notice

a. Anticipated bypass. If the permittee knows in advance of the need for a bypass, prior notice shall be submitted, if possible at least ten days before the date of the bypass.

b. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Part II I.

3. Prohibition of bypass.

a. Bypass is prohibited, and the Board may take enforcement action against a permittee for bypass, unless:

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and

(3) The permittee submitted notices as required under Part II U 2.

b. The Board may approve an anticipated bypass, after considering its adverse effects, if the Board determines that it will meet the three conditions listed above in Part II U 3 a.

V. Upset.

1. An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of Part II V 2 are met. A determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is not a final administrative action subject to judicial review.

2. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:

a. An upset occurred and that the permittee can identify the cause(s) of the upset;

b. The permitted facility was at the time being properly operated;

c. The permittee submitted notice of the upset as required in Part II I; and

d. The permittee complied with any remedial measures required under Part II S.

3. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

W. Inspection and Entry.

The permittee shall allow the Director, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act and the State Water Control Law, any substances or parameters at any location.

For purposes of this section, the time for inspection shall be deemed reasonable during regular business hours, and whenever the facility is discharging. Nothing contained herein shall make an inspection unreasonable during an emergency.

X. Permit Actions.

Permits may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Y. Transfer of permits.

1. Permits are not transferable to any person except after notice to the Department. Except as provided in Part II Y 2, a permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued, or a minor modification made, to identify the new permittee and incorporate such other requirements as may be necessary under the State Water Control Law and the Clean Water Act.

2. As an alternative to transfers under Part II Y 1, this permit may be automatically transferred to a new permittee if:

   a. The current permittee notifies the Department at least 30 days in advance of the proposed transfer of the title to the facility or property;

   b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and

   c. The Board does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in Part II Y 2 b.

Z. Severability.

The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

# ATTACHMENT A

## VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY

## TMP SUBMITTAL COVER SHEET

**This form shall be completed for, and submitted with, each report of toxicity testing.**

| THIS REPORT SHALL CONTAIN THE FOLLOWING ITEMS | |
|---|---|
| | COMPLETED CHAIN OF SAMPLE CUSTODY |
| | CERTIFICATE OF ANALYSIS(ES) |
| | COMPLETE REPORT OF TOXICITY TESTING |

**VPDES PERMIT NUMBER:** VA0004804

**FACILITY NAME:** Newport News Shipbuilding

**FACILITY LOCATION:** 4101 Washington Ave Newport News VA 23607

---

**OUTFALL NUMBER** (circle one): 002 003 021 030 042 044 058 068 071 097 127 151 812 819 823 904 915 954 956 994

**REPORTING PERIOD** (ex: 2008 Annual, 1st Qtr. 2008): _____

**SAMPLE TYPE** (circle one): Stormwater Wastewater

**WASTEWATER SOURCE(S)** (if process wastewater, provide a brief source description):

_____

_____

---

**STORM EVENT INFORMATION** (if applicable):

Sample Date and Time of Collection: _____

Time discharge began: _____

Storm event measurement (inches): _____

Time between sampling and last measurable storm event (hours): _____

---

**ADDITIONAL INFORMATION:**

If this sample is a **make-up** sample or a **retest**, indicate which category of test and the reporting period this submittal applies to:

Report Type: (i.e., makeup, retest, etc.) _____

Reporting Period: _____

If the required TMP sample(s) were not collected provide a reason/rationale:

_____

---

**CERTIFICATION:**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations. See 18 U.S.C. §1001 and 33 U.S.C. §1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

_____

Signature, printed name and title of Principal Officer or Authorized Agent / Date

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 001 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 002 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 003 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 004 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/6M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/6M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/6M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 005 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (TR) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 006 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 60 | MG/L | | 1/YR | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 500 OIL & GREASE | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 15 | MG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TSS 1.0 mg/L, O&G 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 007 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 010 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/YR | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/YR | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 012 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 013 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 1.2 | MG/L | | 1/3M | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 350 TRIBUTYLTIN | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 0.720 | UG/L | | 1/3M | 3G/24HR |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 013 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 853 TRIBUTYLTIN, ANNUAL LOADING | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | 5 | GM/YR | ********* | ********* | ********* | | | 1/YR | CALC |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 015 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 016 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 017 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 1.2 | MG/L | | 1/3M | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 350 TRIBUTYLTIN | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 0.720 | UG/L | | 1/3M | 3G/24HR |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 017 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 853 TRIBUTYLTIN, ANNUAL LOADING | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | 5 | GM/YR | ********* | ********* | ********* | | | 1/YR | CALC |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 019 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 020 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 021 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | | | | ********* | ********* | ********* | | | | |
| | REQRMNT | NL | NL | MGD | ********* | ********* | ********* | | | 1/M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/M | IS |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | | | | | | |
| | REQRMNT | ********* | ********* | | ********* | 1.2 | 1.2 | MG/L | | 1/M | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Chlorine 0.10 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 022 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | | | | ********* | ********* | ********* | | | | |
| | REQRMNT | NL | NL | MGD | ********* | ********* | ********* | | | 1/M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/M | IS |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | | | | | | |
| | REQRMNT | ********* | ********* | | ********* | 0.08 | 0.08 | MG/L | | 1/M | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Chlorine 0.10 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 023 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/6M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/6M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/6M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 024 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 1.2 | MG/L | | 1/3M | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 350 TRIBUTYLTIN | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 0.720 | UG/L | | 1/3M | 3G/24HR |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 024 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 853 TRIBUTYLTIN, ANNUAL LOADING | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | 5 | GM/YR | ********* | ********* | ********* | | | 1/YR | CALC |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 026 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

**DEPT. OF ENVIRONMENTAL QUALITY**
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: **READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 027 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 1.2 | MG/L | | 1/3M | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVE | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 350 TRIBUTYLTIN | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 0.720 | UG/L | | 1/3M | 3G/24HR |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 027 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 853 TRIBUTYLTIN, ANNUAL LOADING | REPORTD | ******** | | | ******** | ******** | ******** | | | | |
| | REQRMNT | ******** | 5 | GM/YR | ******** | ******** | ******** | | | 1/YR | CALC |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 030 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM. .

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 031 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 032 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 1.2 | MG/L | | 1/3M | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 350 TRIBUTYLTIN | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 0.720 | UG/L | | 1/3M | 3G/24HR |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 032 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 853 TRIBUTYLTIN, ANNUAL LOADING | REPORTD | ******** | | | ******** | ******** | ******** | | | | |
| | REQRMNT | ******** | 5 | GM/YR | ******** | ******** | ******** | | | 1/YR | CALC |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 033 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 034 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 158 CL2, TOTAL FINAL | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 1.2 | MG/L | | 1/3M | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 350 TRIBUTYLTIN | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 0.720 | UG/L | | 1/3M | 3G/24HR |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 034 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| | | | FROM | | | |
| | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 853 TRIBUTYLTIN, ANNUAL LOADING | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | 5 | GM/YR | ********* | ********* | ********* | | | 1/YR | CALC |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Chlorine 0.10 mg/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 037 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 038 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

**DEPT. OF ENVIRONMENTAL QUALITY**
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: **READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 039 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 040 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 041 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 042 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 043 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 044 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 350 TRIBUTYLTIN | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 0.720 | UG/L | | 1/3M | 3G/24HR |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 853 TRIBUTYLTIN, ANNUAL LOADING | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | 5 | GM/YR | ********* | ********* | ********* | | | 1/YR | CALC |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TBT 0.03 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 045 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (TR) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 047 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 048 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

**DEPT. OF ENVIRONMENTAL QUALITY**
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: **READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 049 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (TR) 5.0 ug/L, Zinc (TR) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 050 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 052 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

**DEPT. OF ENVIRONMENTAL QUALITY**
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: **READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 058 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 068 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 071 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 084 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/YR | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/YR | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 094 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/YR | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/YR | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (TR) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 097 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/6M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/6M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 112 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/YR | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | C | | 1/YR | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 127 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 128 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 308 IRON, DISSOLVED | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Aluminum (D) 300 ug/L, Iron (D) 0.40 mg/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 128 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 849 ALUMINUM, DISSOLVED (AS AL) | REPORTD | ******** | ******** | | ******** | ******** | | | | | |
| | REQRMNT | ******** | ******** | | ******** | ******** | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, Aluminum (D) 300 ug/L, Iron (D) 0.40 mg/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

| VA0004804 | 140 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | TO | | | |

Industrial Major 10/02/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/YR | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
Sample from 140, 142 or 144. Report on the DMR Comments Section which outfall was sampled.QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 149 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 151 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/YR | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 160 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

| VA0004804 | 162 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

Industrial Major 09/21/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

| VA0004804 | 163 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

Industrial Major 09/21/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 09/21/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 164 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 09/21/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 165 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| | | | FROM | | | TO |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: **READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.**

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

| VA0004804 | 166 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | TO | | | |

Industrial Major 09/21/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 43 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

| VA0004804 | 167 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

Industrial Major 09/21/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 001 FLOW | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MGD | ********* | ********* | ********* | | | 1/3M | EST |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/3M | GRAB |
| 080 TEMPERATURE, WATER (DEG. C) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | 38 | C | | 1/3M | IS |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 812 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)

Tidewater Regional Office
5636 Southern Boulevard

Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/6M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/6M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 819 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 823 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/YR | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/YR | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 904 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVE | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 905 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/6M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/6M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 915 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 916 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607

FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 921 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/6M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/6M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/6M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

| VA0004804 | 956 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

Industrial Major 07/24/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVE | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

Industrial Major 07/24/2009

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

| VA0004804 | 984 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| YEAR | MO | DAY | | YEAR | MO | DAY |
| | | | FROM | | | TO |

DEPT. OF ENVIRONMENTAL QUALITY (REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVE | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

PERMITTEE NAME/ADDRESS(INCLUDE FACILITY NAME/LOCATION IF DIFFERENT)

NAME Northrop Grumman Shipbuilding Incorporated
ADDRESS 4101 Washington Ave
Newport News VA 23607
FACILITY LOCATION 4101 Washington Ave, Newport News, VA 23607

# COMMONWEALTH OF VIRGINIA
# DEPARTMENT OF ENVIRONMENTAL QUALITY
## NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)
## DISCHARGE MONITORING REPORT(DMR)

| VA0004804 | 994 |
|---|---|
| PERMIT NUMBER | DISCHARGE NUMBER |

| MONITORING PERIOD | | | | | | |
|---|---|---|---|---|---|---|
| | YEAR | MO | DAY | | YEAR | MO | DAY |
| FROM | | | | TO | | | |

Industrial Major 07/24/2009

DEPT. OF ENVIRONMENTAL QUALITY
(REGIONAL OFFICE)
Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach VA 23462

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS BEFORE COMPLETING THIS FORM.

| PARAMETER | | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | | NO. EX. | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | UNITS | | | |
| 002 PH | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | 6.0 | ********* | 9.0 | SU | | 1/YR | GRAB |
| 004 TSS | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/3M | GRAB |
| 199 FLOW, PRECIPITATION EVENT | REPORTD | ********* | | | ********* | ********* | ********* | | | | |
| | REQRMNT | ********* | NL | MG | ********* | ********* | ********* | | | 1/3M | EST |
| 200 PH, PRECIPITATION EVENT | REPORTD | ********* | ********* | | | ********* | | | | | |
| | REQRMNT | ********* | ********* | | NL | ********* | NL | SU | | 1/YR | GRAB |
| 257 PETROLEUM HYDROCARBONS, TOTAL RECOVI | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | MG/L | | 1/YR | GRAB |
| 442 COPPER, DISSOLVED (UG/L AS CU) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| 448 ZINC, DISSOLVED (AS ZN) (UG/L) | REPORTD | ********* | ********* | | ********* | ********* | | | | | |
| | REQRMNT | ********* | ********* | | ********* | ********* | NL | UG/L | | 1/3M | GRAB |
| | REPORTD | | | | | | | | | | |
| | REQRMNT | | | | | | | | | ******* | |

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS
QLs: TSS 1.0 mg/L, Copper (D) 5.0 ug/L, Zinc (D) 50 ug/L, TPH 5.0 mg/L

| BYPASSES AND OVERFLOWS | TOTAL OCCURRENCES | TOTAL FLOW(M.G.) | TOTAL BOD5(K.G.) |
|---|---|---|---|
| | | | |

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. & 1001 AND 33 U.S.C. & 1319. (Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)

| OPERATOR IN RESPONSIBLE CHARGE | | | DATE | | |
|---|---|---|---|---|---|
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | CERTIFICATE NO. | YEAR | MO. | DAY |
| PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | TELEPHONE | | | |
| | | | | | |
| TYPED OR PRINTED NAME | SIGNATURE | | YEAR | MO. | DAY |

THIS REPORT IS REQUIRED BY LAW (33 U. S. C. § 1318 40 CFR 122.41(l)(4)(i)). FAILURE TO REPORT OR FAILURE TO REPORT TRUTHFULLY CAN RESULT IN CIVIL PENALTIES NOT TO EXCEED $10,000 PER DAY OF VIOLATION: OR IN CRIMINAL PENALTIES NOT TO EXCEED $25,000 PER DAY OF VIOLATION OR BY IMPRISONMENT FOR NOT MORE THAN FIVE YEARS, OR BOTH.

## GENERAL INSTRUCTIONS

1. Complete this form in permanent ink or indelible pencil.
2. Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period".
3. For those parameters where the "permit requirement" spaces are blank or a limitation appears, provide data in the "reported" spaces in accordance with your permit.
4. Enter the average and, if appropriate, maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading". KG/DAY = Concentration(mg/l) x Flow(MGD) x 3.785.
5. Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration".
6. Enter the number of samples which do not comply with the maximum and /or minimum permit requirements in the "reported" space in the column marked "No. Ex.".
7. Enter the actual frequency of analysis for each parameter (number of times per day, week, month) in the "reported" space in the column marked "Frequency of Analysis".
8. Enter the actual type of sample collected for each parameter in the "reported" space in the column marked "Sample Type".
9. Enter additional required data or comments in the space marked "additional permit requirements or comments".
10. Record the number of bypasses during the month, the total flow in million gallons and BOD5 in kilograms in the proper columns in the section marked "Bypasses and Overflows".
11. The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator, the operator's certificate number should be reported in the space provided.
12. The principal executive officer should then review the form and sign in the space provided and provide a telephone number where he/she can be reached.
13. You are required to sample at the frequency and type indicated in your permit.
14. Send the completed form to your Dept. of Environmental Quality Regional Office by the 10th of each month.
15. You are required to retain a copy of the report for your records.
16. Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each violation by date.
17. If you have any questions, contact the Dept. of Environmental Quality Regional Office.