LPDES PERMIT NO. LA0000060 /AI No. 593

LPDES FACT SHEET
FOR THE DRAFT MODIFIED LOUISIANA POLLUTANT DISCHARGE ELIMINATION SYSTEM (LPDES) PERMIT TO DISCHARGE TO WATERS OF LOUISIANA

I. Company/Facility Name: Northrop Grumman Ship Systems – Avondale Operations
Main Yard
P.O. Box 50280
New Orleans, Louisiana 70150-0280

II. Issuing Office: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

III. Prepared By: Melanie Connor
Water and Waste Permits Division
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Date Prepared: May 3, 2006

IV. Permit Action/Status:

A. Reason For Permit Action:

Modification of an existing Louisiana Pollutant Discharge Elimination System (LPDES) permit following regulations promulgated at LAC 33:IX.3105/40 CFR 124.5

LAC 33:IX Citations: Unless otherwise stated, citations to LAC 33:IX refer to promulgated regulations listed at Louisiana Administrative Code, Title 33, Part IX.

40 CFR Citations: Unless otherwise stated, citations to 40 CFR refer to promulgated regulations listed at Title 40, Code of Federal Regulations in accordance with the dates specified at LAC 33:IX.4901, 4903, and 2301.F.

B. LPDES permit - LPDES permit effective date: January 1, 2005
LPDES permit expiration date: December 31, 2010
EPA has not retained enforcement authority.

C. Modification request received on February 27, 2006

V. Facility Information:

A. Location - 5100 River Road, Avondale, Jefferson Parish
Latitude 29° 55'13" Longitude 90° 11' 26"

B. Applicant Activity - Northrop Grumman is a ship building and repair facility. This existing shipyard is located on the right descending bank of the Mississippi River at 108.5 M.A.H.P.

C. Fee Rate -
1. Fee Rating Facility Type: Major
2. Complexity Type: IV
3. Wastewater Type: III
4. SIC code: 3731, 3441 and 1541

VI. Receiving Waters: Mississippi River

1. TSS (15%), mg/L: 27
2. Average Hardness, mg/L $CaCO_3$: 149.70
3. Critical Flow, cfs: 141,955
4. Mixing Zone Fraction: 0.33
5. Harmonic Mean Flow, cfs: 366,748
6. River Basin: Mississippi River, Segment No. 070301
7. Designated Uses:
   The designated uses are primary contact recreation, secondary contact recreation, fish and wildlife propagation, and drinking water supply.

Information based on the following: Water Quality Management Plan, Volume 5A, 1994; LAC 33:IX Chapter 11. Hardness and 15% TSS data are from LDEQ monitoring station #321 on the Mississippi River south of Lutcher, Louisiana, listed in Hardness and TSS Data for All LDEQ Ambient Stations for the Period of Record as of March 1998, LeBlanc.

VII. Nature of Modification:

The permittee has requested the authorization to discharge non-contact cooling water from the Avondale site. The source for the cooling water will be either Mississippi River water, well water, or potable water. It is estimated that a maximum of 1.3 MGD will be discharged via the newly established Outfall 009. No water treatment chemicals will be used in the water. The discharge may be made directly into the Mississippi River by a movable conduit, or to the Mississippi River via stormwater outfalls that are covered by the facility's Multi-Sector Storm Water General Permit (LAR05M191). This permit modification shall require the monitoring of non-contact cooling water whether the discharge is made directly to the Mississippi River or by discharge to permitted stormwater outfalls.

VIII. 303(d) Impairments:

Subsegment 070301 is not listed on LDEQ's Final 2004 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause was established in the original permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.

IX. Endangered Species:

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, has been identified by the U.S. Fish and Wildlife Service (FWS) as habitat for the pallid sturgeon. This draft modified permit has been submitted to the FWS for review in accordance with a letter dated

October 21, 2005, from Watson (FWS) to Gautreaux (LDEQ). LDEQ has determined that the issuance of this LPDES permit modification is not likely to have an adverse effect upon the pallid sturgeon. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

X. Historic Sites:

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

XI. Tentative Determination:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to modify the permit as described in the modification request.

XII. Variances:

No requests for variances have been received by this Office.

XIII. Public Notices:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the fact sheet statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

A local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List