

**STATE PERMIT MODIFICATION**

issued to

**Permittee:**

Electric Boat Corporation  
75 Eastern Point Road  
Groton, CT 06340

**Location Address:**

75 Eastern Point Rd  
Groton, CT 06340

Attention: Donna F. Elks, Manager Environmental Resources

**Permit ID: SP0000440**

**Permit Modification Expires: December 7, 2013**

This permit modification is issued in accordance with section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), section 22a-430-4(p)(5) of the Regulations of Connecticut State Agencies ("RCSA") adopted thereunder, as amended, and a modified Memorandum of Agreement (MOA) dated June 3, 1981, by the Administrator of the United States Environmental Protection Agency which authorizes the State of Connecticut to administer a Pretreatment Program pursuant to 40 CFR Part 403.

The Commissioner of Energy and Environmental Protection ("the Commissioner") has made a final determination on this permit modification and found that the proposed increased discharge and a new discharge will not cause pollution of the waters of the state. The Commissioner's decision is based on Application No. 201203396 for permit modification received on April 12, 2012 and the administrative record established in the processing of that application.

Electric Boat Corporation, ("Permittee"), shall comply with all conditions of Permit No. SP0000440 issued on December 8, 2008 with the following modifications:

1. Table B (DSN202) is hereby revised in Section 4(A) of this permit to reflect the increase of the Maximum Daily Limit flow from 32,000 to 60,000 gallons per day (gpd) and superseded with the respective table attached hereto.
2. Table G (DSN205) is hereby amended in Section 4(A) of the existing permit to include a new wastewater discharge associated with the operation of an auxiliary test boiler.
3. Section 5 of the Permit is hereby replaced and superseded with Section 5 attached hereto, which includes updated permit format language regarding NetDMR.
4. Section 7 of the Permit is hereby replaced and superseded with Section 7 attached hereto, which incorporates Reporting and Significant Noncompliance Requirements.

The Commissioner hereby authorizes the Permittee to discharge in accordance with the provisions of this permit modification, Permit No. SP0000440, the above referenced application, and all approvals issued by the Commissioner or the Commissioner's authorized agent for the discharges and/or activities authorized by, or associated with, this permit.

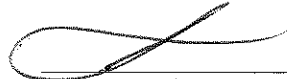
The Commissioner reserves the right to make appropriate revisions to the permit in order to establish any appropriate effluent limitations, schedules of compliance, or other provisions that may be authorized under the Clean Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified under this paragraph may also contain any other requirements of the Clean Water Act or Connecticut General Statutes or regulations adopted thereunder which are then applicable.

This permit modification becomes effective on the date of signature.

All other terms and conditions of Permit No. SP0000440 issued on December 8, 2008 shall continue in full force and effect.

This permit modification is hereby issued on

10/9/2012

A handwritten signature in black ink, consisting of a large, stylized loop followed by a horizontal line and a short vertical stroke.

Macky McCleary  
Deputy Commissioner

MM/EW  
cc: Ed Finger, WPED- Enforcement  
City of Groton POTW  
Sent RRR

**“SECTION 5: SAMPLE COLLECTION, HANDLING AND ANALYTICAL TECHNIQUES AND REPORTING REQUIREMENTS**

- (A) Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall be performed using the methods approved by the Environmental Protection Agency pursuant to 40 CFR 136 unless an alternative method has been approved in writing in accordance with 40 CFR 136.4 or as provided in section 22a-430-3(j)(7) of the RCSA. Chemicals which do not have methods of analysis defined in 40 CFR 136 shall be analyzed in accordance with methods specified in this permit.
- (B) All metals analyses identified in this permit shall refer to analyses for Total Recoverable Metal as defined in 40 CFR 136 unless otherwise specified.
- (C) The results of chemical analysis required above shall be entered on the Discharge Monitoring Report (DMR), provided by this office, and reported to the Bureau of Materials Management and Compliance Assurance at the following address. Except for continuous monitoring, any monitoring required more frequently than monthly shall be reported on an attachment to the DMR, and any additional monitoring conducted in accordance with 40 CFR 136 or other methods approved by the Commissioner shall also be included on the DMR, or as an attachment, if necessary. The report shall also include a detailed explanation of any violations of the limitations specified. The DMR shall be received at this address by the last day of the month following the month in which samples are taken.

Bureau of Materials Management and Compliance Assurance  
Water Permitting and Enforcement Division (Attn: DMR Processing)  
Connecticut Department of Energy and Environmental Protection  
79 Elm Street  
Hartford, CT 06106-5127

- (D) If this permit requires monitoring of a discharge on a calendar basis (e.g. Monthly, quarterly, etc.) but a discharge has not occurred within the frequency of sampling specified in the permit, the Permittee must submit the DMR as scheduled, indicating "NO DISCHARGE". For those permittees whose required monitoring is discharge dependent (e.g. per batch), the minimum reporting frequency is monthly. Therefore, if there is no discharge during a calendar month for a batch discharge, a DMR must be submitted indicating such by the end of the following month.

(E) NetDMR Reporting Requirements

1. Prior to one-hundred and eighty (180) days after the issuance of this permit, the Permittee may either submit monitoring data and other reports to the Department in hard copy form or electronically using NetDMR, a web-based tool that allows Permittees to electronically submit discharge monitoring reports (DMRs) and other required reports through a secure internet connection. Unless otherwise approved in writing by the Commissioner, no later than one-hundred and eighty (180) days after the issuance of this permit the Permittee shall begin reporting electronically using NetDMR. Specific requirements regarding subscription to NetDMR and submittal of data and reports in hard copy form and for submittal using NetDMR are described below:

a. Submittal of *NetDMR Subscriber Agreement*

On or before fifteen (15) days after the issuance of this permit, the Permittee and/or the person authorized to sign the Permittee's discharge monitoring reports ("Signatory Authority") as described in RCSA Section 22a-430-3(b)(2) shall contact the Department at [deep.netdmr@ct.gov](mailto:deep.netdmr@ct.gov) and initiate the NetDMR subscription process for electronic submission of Discharge Monitoring Report (DMR) information. Information on NetDMR is available on the Department's website at [www.ct.gov/deep/netdmr](http://www.ct.gov/deep/netdmr). On or before ninety (90) days after issuance of this permit the Permittee shall submit a signed and notarized copy of the *Connecticut DEEP NetDMR Subscriber Agreement* to the Department.

b. Submittal of Reports Using NetDMR

Unless otherwise approved by the Commissioner, on or before one-hundred and eighty (180) days after issuance of this permit, the Permittee and/or the Signatory Authority shall electronically submit DMRs and reports required under this permit to the Department using NetDMR in satisfaction of the DMR submission requirement of Section 5(C) of this permit.

DMRs shall be submitted electronically to the Department no later than the 30th day of the month following the completed reporting period. All reports required under the permit, including any monitoring conducted more frequently than monthly or any additional monitoring conducted in accordance with 40 CFR 136, shall be submitted to the Department as an electronic attachment to the DMR in NetDMR. Once a Permittee begins submitting reports using NetDMR, it will no longer be required to submit hard copies of DMRs or other reports to the Department. The Permittee shall also electronically file any written report of non-compliance described in Section 6 of this permit as an attachment in NetDMR. NetDMR is accessed from: <http://www.epa.gov/netdmr>.

c. Submittal of NetDMR Opt-Out Requests

If the Permittee is able to demonstrate a reasonable basis, such as technical or administrative infeasibility, that precludes the use of NetDMR for electronically submitting DMRs and reports, the Commissioner may approve the submission of DMRs and other required reports in hard copy form ("opt-out request"). Opt-out requests must be submitted in writing to the Department for written approval on or before fifteen (15) days prior to the date a Permittee would be required under this permit to begin filing DMRs and other reports using NetDMR. This demonstration shall be valid for twelve (12) months from the date of the Department's approval and shall thereupon expire. At such time, DMRs and reports shall be submitted electronically to the Department using NetDMR unless the Permittee submits a renewed opt-out request and such request is approved by the Department.

All opt-out requests and requests for the NetDMR subscriber form should be sent to the following address or by email at [deep.netdmr@ct.gov](mailto:deep.netdmr@ct.gov):

**Attn: NetDMR Coordinator**  
**Connecticut Department of Energy and Environmental Protection**  
**79 Elm Street**  
**Hartford, CT 06106-5127**

- (F) Copies of all DMRs shall be submitted concurrently to the local Water Pollution Control Authority ("WPCA") involved in the treatment and collection of the permitted discharge."

**"SECTION 7: COMPLIANCE CONDITIONS**

In accordance with 40 CFR §403.8(f)(2)(viii), the Commissioner may provide public notification, in a newspaper of general circulation in the area of the respective POTW, of permittees that at any time in the previous twelve months were in significant noncompliance with the provisions of this permit. For the purposes of this provision, a permittee that is a Significant Industrial User is in significant noncompliance if its violation(s) meet(s) one or more of the following criteria:

- **Chronic violations:** Those in which sixty-six (66%) percent or more of all measurements taken for the same pollutant parameter during a six-month period exceed (by any magnitude) the Average Monthly, Maximum Daily, or Maximum Instantaneous Limit(s).
- **Technical Review Criteria violations:** Those in which thirty-three (33%) or more of all of the measurements taken for the same pollutant parameter during a six-month period equal or exceed the Average Monthly, Maximum Daily, or Maximum Instantaneous Limit(s) multiplied by 1.4 for BOD, TSS, fats, oil, and grease, or 1.2 for all other pollutants except pH.
- **Monitoring Reports:** Failure to provide, within 45 days after the due date, required reports such as DMRs.

- **Compliance Schedule:** Failure to meet within 90 days after the schedule date, a compliance schedule milestone contained in or linked to a respective permit for starting construction, completing construction, or attaining final compliance.
- **Noncompliance Reporting:** Failure to accurately report noncompliance in accordance with provisions identified in Section 6 of this permit.
- **Discretionary:** Any other violation of an effluent limit that the Department determines has caused, alone or in combination with other discharges, a violation of the POTW's NPDES permit, inhibition or disruption of the POTW, its treatment processes or operations, or its sludge processes, use or disposal.
- **Imminent Endangerment:** Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment, or has resulted in the Department's exercise of its emergency authority under 40 CFR §403.8(f)(1)(vi)(B) to halt or prevent such a discharge.
- **BMPs:** Any other violation or group of violations, which may include a violation of Best Management Practices, which the Department determines will adversely affect the operation or implementation of the pretreatment program."

**Table B (As Modified DATE OF SIGNATURE)**

**Discharge Serial Number: 202-1**

**Monitoring Location: 1**

**Wastewater Description:** Boiler blowdown, backflow preventer bleed off, non-contact cooling water, water softener, steam condensate, and system flush and cleaning wastewaters

**Monitoring Location Description:** : At the 2,000 gallon common sump effluent

**Discharge is to:** The City of Groton Water Pollution Control Facility

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING		
		Average Monthly Limit	Maximum Daily Limit	Sample/ Reporting Frequency <sup>2</sup>	Sample Type or Measurement to be reported	Instantaneous limit or required range	Sample/ Reporting Frequency <sup>2</sup>	Sample Type or measurement to be reported
Copper, Total	mg/l	NA	2.0	Quarterly	Daily Composite	2.0	NR	Grab
Cyclohexylamine	mg/l	NA	NA	NR	NA	---	Semi-annually	Grab
Flow Total (Day of Sampling)	gpd	NA	60,000	Quarterly	Total Flow	NA	NR	NA
Flow, Maximum During 24 hr Period <sup>1</sup>	gpd	NA	60,000	Daily/Monthly	Total Flow	NA	NR	Grab
Lead, Total	mg/l	NA	0.5	Quarterly	Daily Composite	0.5	NR	Grab
pH, Day of Sampling	S.U.	NA	NA	NR	NA	6.0 – 11.5	Monthly	RDS
pH, Maximum	S.U.	NA	NA	NR	NA	11.5	Continuous	Continuous
pH, Minimum	S.U.	NA	NA	NR	NA	6.0	Continuous	Continuous
Oil Petroleum, Total Recoverable	mg/l	NA	100.0	Quarterly	Grab Sample Average	100.0	NR	Grab
Total Suspended Solids	mg/l	NA	---	Quarterly	Daily Composite	---	NR	Grab
Zinc, Total	mg/l	NA	2.0	Quarterly	Daily Composite	2.0	NR	Grab

**Table B Footnotes and Remarks:**

<sup>1</sup> For this parameter, the Permittee shall maintain at the facility a record of the Total Daily Flow for each day of discharge and shall report the Maximum Daily Flow for each sampling month.

<sup>2</sup> The first entry in this column is the 'Sample Frequency'. If this entry is not followed by a 'Reporting Frequency' and the 'Sample Frequency' is more frequent than monthly then the 'Reporting Frequency' is monthly. If the 'Sample frequency' is specified as monthly, or less frequent, then the 'Reporting Frequency' is the same as the 'Sample Frequency'.

**Remarks:**

"Quarterly" means that a representative sample of the discharge shall be collected at any time during each of the following periods: January-March; April-June, July-September, and October-December. Analytical results shall be reported in the March, June, September, and December DMRs.

"Semi-Annually" means that a representative sample of the discharge shall be collected at any time during each of the following periods: January-June and July-December. Analytical results shall be reported in the July and January DMRs.

Table G								
Discharge Serial Number: 205-1					Monitoring Location: 1			
Wastewater Description: Wastewater associated with the operation of an auxiliary boiler that includes boiler blowdown, condensate, and noncontact cooling water								
Monitoring Location Description: : At the sampler port from the auxiliary boiler blowdown tank								
Discharge is to: The City of Groton Water Pollution Control Facility								
PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING		
		Average Monthly Limit	Maximum Daily Limit	Sample/ Reporting Frequency <sup>2</sup>	Sample Type or Measurement to be reported	Instantaneous limit or required range	Sample/ Reporting Frequency <sup>2</sup>	Sample Type or measurement to be reported
Copper, Total	mg/l	NA	2.0	Quarterly	Daily Composite	2.0	NR	Grab
Cyclohexylamine	mg/l	NA	NA	NR	NA	---	Semi-annually	Grab
Flow Total (Day of Sampling)	gpd	NA	216,000	Quarterly	Total Flow	NA	NR	NA
Flow, Maximum During 24 hr Period <sup>1</sup>	gpd	NA	216,000	Daily/Monthly	Total Flow	NA	NR	Grab
Lead, Total	mg/l	NA	0.5	Quarterly	Daily Composite	0.5	NR	Grab
pH, Day of Sampling	S.U.	NA	NA	NR	NA	6.0 – 11.5	Monthly	RDS
pH, Maximum	S.U.	NA	NA	NR	NA	11.5	Continuous	Continuous
pH, Minimum	S.U.	NA	NA	NR	NA	6.0	Continuous	Continuous
Oil Petroleum, Total Recoverable	mg/l	NA	100.0	Quarterly	Grab Sample Average	100.0	NR	Grab
Total Suspended Solids	mg/l	NA	----	Quarterly	Daily Composite	----	NR	Grab
Zinc, Total	mg/l	NA	2.0	Quarterly	Daily Composite	2.0	NR	Grab
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<sup>1</sup> For this parameter, the Permittee shall maintain at the facility a record of the Total Daily Flow for each day of discharge and shall report the Maximum Daily Flow for each sampling month.								
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