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APPROVAL OF REGISTRATION:
GENERAL PERMIT FOR THE DISCHARGE OF
WASTEWATERS FROM CATEGORICAL INDUSTRIAL
USERS TO A PUBLICLY OWNED TREATMENT WORKS (POTW)

ISSUED TO:

Permittee Address:

Aerospace Testing Laboratory, Inc.
P.O. Box 612
South Windsor, CT 06074

Location Address:

32 South Satellite Road
South Windsor, CT

Application No.: 201702194

Permit No.: CTCIU0027

Permit Expiration Date: March 21, 2018

In accordance with Section 22a-430b of the Connecticut General Statutes ("CGS") as amended, the Commissioner of Energy and Environmental Protection ("the Commissioner") hereby approves a Registration filed by Aerospace Testing Laboratory, Inc., in accordance with Section 4(g) of the *General Permit for the Discharge of Wastewaters from Categorical Industrial Users to a Publicly Owned Treatment Works (POTW)* issued on March 22, 2013 (the "CIU GP"). This Approval of Registration is based on Application No. 201702194, received on March 2, 2017, and the administrative record established in the processing of such application.

Aerospace Testing Laboratory, Inc. ("*Permittee*") is hereby authorized to discharge up to 4,000 gallons per day of treated metal finishing wastewaters into the Town of South Windsor Publicly Owned Treatment Works ("POTW") in accordance with the terms and conditions of the CIU GP and the following conditions:

- (A) **Definitions.** The definitions of the terms used in this Approval of Registration to discharge under the CIU GP shall be the same as the definitions as described in Appendix I of the CIU GP, Section 22a-423 of the CGS and Section 22a-430-3(a) of the Regulations of Connecticut State Agencies ("RCSA"), unless otherwise indicated below. As used in this Approval of Registration to discharge under the CIU GP, the definitions of the following terms shall apply:

"----" in the limits column on the monitoring table means a limit is not specified, but a value must be reported on the Discharge Monitoring Report ("DMR").

"Annually", in the context of a sampling frequency, means the sample must be collected in the month of June.

"gpd" means gallons per day.

"*gpm*" means gallons per minute.

"*Maximum Daily Flow*" means the greatest volume of wastewater to be discharged over an operating day.

"*NA*" as a monitoring table abbreviation means "not applicable".

"*ND*" as a monitoring table abbreviation means "non-detectable."

"*NR*" as a monitoring table abbreviation means "not required".

"*Quarterly*", in the context of a sampling frequency, means samples must be collected in the months of March, June, September and December.

"*Range During Month*" or "*RDM*", as a sample type, means the lowest and the highest values of all of the monitoring data for the reporting month.

"*Range During Sampling*" or "*RDS*", as a sample type, means the maximum and minimum of all values recorded as a result of analyzing each grab sample of; 1) a Composite Sample, or 2) the grab samples used to determine a Grab Sample Average. For those permittees with continuous monitoring and recording pH meters, Range During Sampling shall mean the maximum and minimum readings recorded with the continuous monitoring device during the collection of a Composite Sample or the grab samples used to determine Grab Sample Average.

"*Semi-Annually*", in the context of a sampling frequency, means samples must be collected in the months of June and December.

"*S.U.*" means Standard Units.

"*Twice per Month*", in the context of sample frequency, means two samples per calendar month collected no less than twelve (12) days apart.

"*µg/l*" means micrograms per liter.

- (B) **Sampling Requirements.** All samples shall be comprised of only those wastewaters described in the table(s) below and in compliance with the requirements of Section 5(b)(3) of the CIU GP.
- (C) **Effluent limitations and monitoring requirements.** The discharge shall not exceed and shall otherwise conform to the specific terms and conditions of Section 5 of the CIU GP and shall be further restricted by and monitored in accordance with the tables described below:

Table A

Discharge Serial Number: 201-1

Monitoring Location: 1

Wastewater Description: Ultrasonic testing wastewater, fluorescent penetrant rinsewaters, spent alkaline cleaners, alkaline cleaning rinsewaters, etching rinsewaters

Monitoring Location Description: At the effluent monitoring flume located after TK2

Discharge is to: Town of South Windsor POTW

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING		
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Frequency ²	Sample Type or Measurement to be Reported	Instantaneous Limit or Required Range	Sample/Reporting Frequency ²	Sample Type or Measurement to be Reported
Aluminum, total	mg/l	----	----	Monthly	Daily Composite	----	NR	Grab
Antimony, total	mg/l	----	----	Monthly	Daily Composite	----	NR	Grab
Cadmium, total	mg/l	0.07	0.11	Monthly	Daily Composite	0.16	NR	Grab
Chromium, total	mg/l	1.0	2.0	Monthly	Daily Composite	3.0	NR	Grab
Copper, total	mg/l	1.0	2.0	Monthly	Daily Composite	3.0	NR	Grab
Flow, average daily ¹	gpd	3,250	NA	Daily	Daily Flow	NA	NR	NA
Flow, maximum daily ¹	gpd	NA	4,000	Daily	Daily Flow	NA	NR	NA
Flow, day of sampling	gpd	NA	4,000	Monthly	Daily Flow	NA	NR	NA
Fluoride	mg/l	20	30	Monthly	Daily Composite	45	NR	Grab
Iron, total	mg/l	----	----	Monthly	Daily Composite	----	NR	Grab
Lead, total	mg/l	0.1	0.5	Monthly	Daily Composite	0.75	NR	Grab
Nickel, total	mg/l	1.0	2.0	Monthly	Daily Composite	3.0	NR	Grab
Nitrogen, total	mg/l	----	----	Monthly	Daily Composite	----	NR	Grab
Oil petroleum, total recoverable ³	mg/l	----	100	Monthly	Grab Sample Average	----	NR	Grab
Organics, total toxic	mg/l	NA	NA	NR	NA	2.13	Monthly	Grab
Phosphorus, total	mg/l	----	----	Monthly	Daily Composite	----	NR	Grab
pH, day of sampling	S.U.	NA	NA	NR	NA	5.5 – 11.0	Monthly	RDS
pH, minimum	S.U.	NA	NA	NR	NA	5.5	Continuous	Continuous
pH, maximum	S.U.	NA	NA	NR	NA	11.0	Continuous	Continuous
Solids, total suspended	mg/l	----	100	Monthly	Daily Composite	150	NR	Grab
Titanium, total	mg/l	----	----	Monthly	Daily Composite	----	NR	Grab
Zinc, total	mg/l	1.0	2.0	Monthly	Daily Composite	3.0	NR	Grab

Table Footnotes:

¹ 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 Average Daily Flow and the Maximum Daily Flow for each sampling month.

² 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'.

³ Previously, total recoverable oil petroleum was generally referred to as oil & grease, hydrocarbon fraction.

Table W

Discharge Serial Number: 201-W						Monitoring Location: 1		
Wastewater Description: Same as Table A								
Monitoring Location Description: Same as Table A								
Discharge is to: Same as Table A								
PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING		
		Average Monthly Limit	Maximum Daily Limit	Sample/Reporting Frequency ¹	Sample Type or Measurement to be Reported	Instantaneous Limit or Required Range	Sample/Reporting Frequency ¹	Sample Type or Measurement to be Reported
Barium, total	mg/l	2.0	4.0	Monthly	Daily Composite	6.0	NR	Grab
Chromium, hexavalent	mg/l	0.1	0.2	Monthly	Grab Sample Average	0.3	NR	Grab
Cobalt, total	mg/l	----	----	Monthly	Daily Composite	----	NR	Grab
Cyanide, amenable	mg/l	0.1	0.2	Monthly	Grab Sample Average	0.3	NR	Grab
Cyanide, total	mg/l	0.65	1.2	Monthly	Grab Sample Average	1.8	NR	Grab
Gold, total	mg/l	0.1	0.5	Monthly	Daily Composite	0.75	NR	Grab
Mercury, total	µg/l	0.2	0.2	Monthly	Daily Composite	0.2	NR	Grab
Silver, total	mg/l	0.1	0.43	Monthly	Daily Composite	0.64	NR	Grab
Tin, total	mg/l	2.0	4.0	Monthly	Daily Composite	6.0	NR	Grab

Table Footnotes and Remarks:**Footnotes:**

¹ 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:

In accordance with Section G of this Approval of Registration, the Permittee shall include a statement with each monthly Discharge Monitoring Report ("DMR"), on the Waiver of Monitoring Certification (Appendix 2 of this Approval of Registration), certifying there has been no increase in the level of any pollutant for which a waiver of monitoring has been authorized, due to the activities at the facility since the filing of the last DMR. Additionally, on each monthly DMR, the Permittee must enter a No Data Indicator ("NODI") code "9" for each pollutant for which a monitoring waiver has been authorized. In the event that any pollutant is found to be present or is expected to be present based on changes that occur in the Permittee's operations, the Permittee shall promptly notify the Department and must immediately comply with the monitoring requirements specified in Table W above for such pollutant.

The Permittee shall comply with the monitoring requirements in Table A for any pollutant for which a waiver has not been authorized.

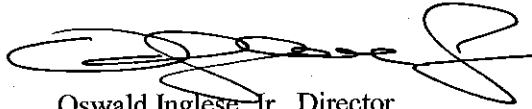
- (D) **Reporting Requirements.** The results of chemical analyses required pursuant to the table(s) above shall be reported to the Water Permitting and Enforcement Division in accordance with Sections 5(c) and 5(d) of the CIU GP.
- (E) **Reporting and Notification to Local WPCAs.** Copies of all DMRs, in accordance with Section 5(c)(2) of the CIU GP, and any notification made in accordance with Section 5(d)(1) of the CIU GP shall be submitted concurrently to the Town of South Windsor POTW.
- (F) **TTO Monitoring.** In accordance with Sections 5(b)(1) and 5(c)(4) of the CIU GP, the Permittee may, in lieu of analyzing for total toxic organics ("TTO") as required by the table(s) above, include a statement on the DMR, at the frequency required, certifying compliance with a Solvent Management Plan approved in writing by the Commissioner. If such written approval has been granted, and the completed compliance statement in Appendix 1 of this Approval of Registration is attached to each DMR, sampling for TTO will not be required. On each monthly DMR, the Permittee shall also enter a No Data Indicator ("NODI") code "9" for total toxic organics.
- (G) **Monitoring Waiver.** The Permittee is not authorized to forego monitoring for any pollutant except for the pollutant(s) described in Table W of this Approval of Registration, in accordance with Section 5(b)(1) of the CIU GP.

To obtain authorization from the Commissioner to forego monitoring of any pollutant(s) not authorized in this Approval of Registration, in accordance with Section 5(b)(1) of the CIU GP, the Permittee shall obtain the analytical results for such pollutant(s), and complete and submit Attachment K (the "Monitoring Waiver Request Form") of the CIU GP registration form. If the request for the monitoring waiver is authorized by the Commissioner, the Commissioner will issue a written modification of this Approval of Registration including Table W describing the pollutant(s) eligible for the monitoring waiver.

If an Approval of Registration has been issued by the Commissioner authorizing the Permittee to forego monitoring for any pollutant(s) and the Permittee attaches to each DMR a completed Waiver of Monitoring Certification form (provided as Appendix 2 of the Approval of Registration), monitoring for the pollutant(s) described in Table W of the Approval of Registration will not be required. On each monthly DMR, the Permittee shall also enter a NODI code "9" for each pollutant for which a monitoring waiver has been authorized.

In the event that any pollutant for which a monitoring waiver has been authorized is found to be present or is expected to be present based on changes that occur in the Permittee's operation, the Permittee shall promptly notify the Department's Water Permitting and Enforcement Division and shall immediately comply with the monitoring requirements specified in Table W of the Approval of Registration for such pollutant.

This Approval of Registration is hereby issued on *March 29, 2017*



Oswald Inglese, Jr., Director
Water Permitting and Enforcement Division
Bureau of Materials Management and Compliance
Assurance

RRR

CC: Town of South Windsor POTW

APPENDIX 1

WAIVER OF MONITORING CERTIFICATION

The Waiver of Monitoring Certification shall go into effect only when the Commissioner approves, in writing, the Permittee's Attachment K: Monitoring Waiver Request Form.

"Based on my inquiry of the person or persons directly responsible for managing compliance with the CIU GP, I certify that, to the best of my knowledge and belief, there has been no increase in the levels of barium, chromium (hexavalent), cobalt, cyanide (amenable), cyanide (total), gold, mercury, silver or tin in the wastewaters discharged through DSN 201-1 due to the activities at the facility since the filing of the last discharge monitoring report."

Authorized Official: _____ *Title:* _____

Signature: _____

Date: _____

NOTE

A completed, signed and dated copy of this Waiver of Monitoring Certification must be submitted with each monthly Discharge Monitoring Report ("DMR"), certifying that there has been no increase in the level of any pollutant for which a monitoring waiver has been authorized, due to the activities at the facility since the filing of the last DMR. Additionally, on each monthly DMR, the Permittee must enter a No Data Indicator ("NODI") code "9" for each pollutant for which a monitoring waiver has been authorized. In the event that any pollutant for which a monitoring waiver has been authorized is found to be present or is expected to be present in the discharge based on changes that occur in the Permittee's operation, the Permittee shall promptly notify the Department's Water Permitting and Enforcement Division and shall immediately comply with the monitoring requirements specified in Table W for any such pollutant.