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Affirmative Action/Equal Opportunity Employer

PRETREATMENT PERMIT

issued to

Delisle Inc., d/b/a Metals Testing Company, Inc.
80 Kimberly Drive
South Windsor, CT 06074

Location Address:

66 and 80 Kimberly Drive
South Windsor, CT 06074

Permit ID: SP0000380

Permit Expires: July 21, 2018

SECTION 1: GENERAL PROVISIONS

- (A) This permit is issued in accordance with section 22a-430 of Chapter 446k, Connecticut General Statutes ("CGS"), and 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.
- (B) Delisle Inc., d/b/a Metals Testing Company, Inc., ("Permittee"), shall comply with all conditions of this permit including the following sections of the RCSA which have been adopted pursuant to section 22a-430 of the CGS and are hereby incorporated into this permit. Your attention is especially drawn to the notification requirements of subsection (i)(2), (i)(3), (j)(1), (j)(6), (j)(8), (j)(9)(C), (j)(11)(C), (D), (E), and (F), (k)(3) and (4) and (l)(2) of section 22a-430-3.

Section 22a-430-3 General Conditions

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- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty
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Section 22a-430-4 Procedures and Criteria

- (a) Duty to Apply
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- (d) Preliminary Review
- (e) Tentative Determination
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- (j) Public Hearings
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 - (l) Establishing Effluent Limitations and Conditions
 - (m) Case by Case Determinations
 - (n) Permit issuance or renewal
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 - (q) Variances
 - (r) Secondary Treatment Requirements
 - (s) Treatment Requirements for Metals and Cyanide
 - (t) Discharges to POTWs - Prohibitions
- (C) Violations of any of the terms, conditions, or limitations contained in this permit may subject the Permittee to enforcement action, including but not limited to, seeking penalties, injunctions and/or forfeitures pursuant to applicable sections of the CGS and RCSA. Specifically, civil penalties of up to twenty-five thousand dollars may be assessed per violation per day.
- (D) Any false statement in any information submitted pursuant to this permit may be punishable as a criminal offense under section 22a-438 or 22a-131a of the CGS or in accordance with section 22a-6, under section 53a-157b of the CGS.
- (E) The authorization to discharge under this permit may not be transferred without prior written approval of the Commissioner of Energy and Environmental Protection ("the Commissioner"). To request such approval, the Permittee and proposed transferee shall register such proposed transfer with the Commissioner at least 30 days prior to the transferee becoming legally responsible for creating or maintaining any discharge which is the subject of the permit transfer. Failure by the transferee to obtain the Commissioner's approval prior to commencing such discharge(s) may subject the transferee to enforcement action for discharging without a permit pursuant to applicable sections of the CGS and RCSA.
- (F) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (G) An annual fee shall be paid for each year this permit is in effect as set forth in section 22a-430-7 of the Regulations of Connecticut State Agencies.

SECTION 2: DEFINITIONS

- (A) The definitions of the terms used in this permit shall be the same as the definitions contained in section 22a-423 of the CGS and section 22a-430-3(a) and 22a-430-6 of the RCSA.
- (B) In addition to the above the following definitions shall apply to this permit:
- "----" in the limits column on the monitoring table means a limit is not specified but a value must be reported on the DMR.
- "Average Monthly Limit" means the maximum allowable "Average Monthly Concentration" as defined in section 22a-430-3(a) of the RCSA when expressed as a concentration (e.g. mg/l); otherwise, it means "Average Monthly Discharge Limitation" as defined in section 22a-430-3(a) of the RCSA.
- "Composite" means grab samples collected just prior to discharge from each tank on the day of sample collection and combined to form the sample composite (minimum of two grab samples per day).
- "Daily Composite" means (1) a composite sample taken over a full operating day consisting of grab samples collected at equal intervals of no more than sixty (60) minutes and combined proportionally to flow, or (2) a composite sample continuously collected over a full operating day proportionally to flow. Upon submission of documentation by the applicant satisfactory to the commissioner that a discharge is of consistent effluent quality, the commissioner may allow equal sampling intervals of up to four (4) hours for a daily composite sample.
- "Daily Concentration" means the concentration of a substance as measured in a daily composite sample, or the arithmetic average of all grab sample results defining a grab sample average.
- "Daily Quantity" means the quantity of waste generated during an operating day.

"Grab Sample Average" means the arithmetic average of all grab sample analyses, grab samples shall be collected just prior to discharge from each tank over a full operating day for as long as a discharge exists on that day (minimum of two grab samples per day).

"Instantaneous Limit" means the highest allowable concentration of a substance as measured by a grab sample, or the highest allowable measurement of a parameter as obtained through instantaneous monitoring.

"Maximum Daily Limit" means the maximum allowable "Daily Concentration" (defined above) when expressed as a concentration (e.g. mg/l); otherwise, it means the maximum allowable "Daily Quantity" as defined above unless it is expressed as a flow quantity. If expressed as a flow quantity it means "Maximum Daily Flow" as defined in section 22a-430-3(a) of the RCSA.

"NA" as a Monitoring Table abbreviation means "not applicable".

"NR" as a Monitoring Table abbreviation means "not required".

"Quarterly", in the context of a sampling frequency, means sampling is required in the months of March, June, September, and December.

"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) 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 Composite or Grab Sample Average sample collection.

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

"Twice per Month" when used as a sample frequency shall mean two samples per calendar month collected no less than 12 days apart.

SECTION 3: COMMISSIONER'S FINAL DETERMINATION

- (A) The Commissioner has made a final determination and found that installation of the new system will protect the waters of the state from pollution. The Commissioner's determination is based on Application No. 201100618 for permit issuance received on February 4, 2011 and the administrative record established in the processing of that application.
- (B)
 - (1) From the issuance of this permit through and including July 31, 2013, the Commissioner hereby authorizes the Permittee to discharge in accordance with the terms and conditions of Permit No. SP0000380, issued by the Commissioner to the Permittee on August 4, 2006, the previous application submitted by the Permittee on April 1, 2005, and all modifications and approvals issued by the Commissioner or the Commissioner's authorized agent for the discharge and/or activities authorized by, or associated with, Permit No. SP0000380, issued by the Commissioner to the Permittee on August 4, 2006.
 - (2) From August 1, 2013 until this permit expires or is modified or revoked, the Commissioner hereby authorizes the Permittee to discharge in accordance with the terms and conditions of Permit No. SP0000380, issued by the Commissioner to the Permittee on July 22, 2013, Application No. 201100618 received by the Department on February 4, 2011, and all modifications and approvals issued by the Commissioner or the Commissioner's authorized agent for the discharge and/or activities authorized by, or associated with, Permit No. SP0000380, issued by the Commissioner to the Permittee on July 22, 2013.
- (C) 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 Federal Clean Water Act or the Connecticut General Statutes or regulations adopted thereunder, as amended. The permit as modified or renewed under this paragraph may also contain any other requirements of the Federal Clean Water Act or Connecticut General Statutes or regulations adopted thereunder which are then applicable.

SECTION 4: EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- (A) The discharges shall not exceed and shall otherwise conform to specific terms and conditions listed below. The discharges are restricted by, and shall be monitored in accordance with, the tables below.

Table A – effective from permit issuance date until September 30, 2013

| Discharge Serial Number: DSN 001-1 | | Monitoring Location: 1 | | | | | | |
|---|-------|----------------------------|---------------------|---|---|---------------------------------------|---|---|
| Wastewater Description: Treated metal finishing wastewaters generated by cleaning, etching, and anodizing processes | | | | | | | | |
| Monitoring Location Description: Building No. 1, final pH adjustment tank effluent pipe to sanitary sewer | | | | | | | | |
| Discharge is to: The Town of South Windsor Water Pollution Control Facility | | | | | | | | |
| 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 | --- | --- | Semi-Annual | Daily Composite | NA | NR | NA |
| Cadmium, Total | mg/l | 0.07 | 0.11 | Semi-Annual | Daily Composite | 0.16 | NR | NA |
| Chromium, Total | mg/l | 1.0 | 2.0 | Monthly | Daily Composite | 3.0 | NR | NA |
| Copper, Total | mg/l | 1.0 | 2.0 | Monthly | Daily Composite | 3.0 | NR | NA |
| Cyanide, Total | mg/l | 0.65 | 1.2 | Semi-Annual | Grab Sample Average | 1.8 | NR | NA |
| Fluoride, Total | mg/l | 20.0 | 30.0 | Twice per month | Daily Composite | 45.0 | NR | NA |
| Flow Rate (Average Daily) ¹ | gpd | 5,500 | 7,500 | Continuous | Daily Flow | NA | NR | NA |
| Flow, Maximum during 24 hr period ¹ | gpd | NA | 7,500 | Continuous | Daily Flow | NA | NR | NA |
| Flow (Day of Sampling) | gpd | NA | 7,500 | Twice per month | Daily Flow | NA | NR | NA |
| pH _i (Day of Sampling) | S.U. | NA | NA | NR | NA | 6.0-10.0 | Twice per month | RDS |
| pH _i Minimum | S.U. | NA | NA | NR | NA | 6.0 | Continuous | Continuous |
| pH _i Maximum | S.U. | NA | NA | NR | NA | 10.0 | Continuous | Continuous |
| Lead, Total | mg/l | 0.1 | 0.5 | Semi-Annual | Daily Composite | 0.75 | NR | NA |
| Nickel, Total | mg/l | 1.0 | 2.0 | Twice per month | Daily Composite | 3.0 | NR | NA |
| Silver, Total | mg/l | 0.1 | 0.43 | Semi-Annual | Daily Composite | 0.64 | NR | NA |
| Tin, Total | mg/l | 2.0 | 4.0 | Semi-Annual | Daily Composite | 6.0 | NR | NA |
| Titanium, Total | mg/l | 1.0 | 2.0 | Monthly | Daily Composite | 3.0 | NR | NA |
| Total Toxic Organics ³ | mg/l | NA | NA | NR | NA | 1.42 | Semi-Annual | Grab |
| Zinc, Total | mg/l | 1.0 | 2.0 | Semi-Annual | Daily Composite | 3.0 | NR | NA |

Table Footnotes and Remarks:

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 See Section 5, paragraph G.

| Table B -- effective October 1, 2013 | | | | | | | | | |
|--|-------|----------------------------|------------------------|---|---|---------------------------------------|---|---|--|
| Discharge Serial Number: DSN 001-1 | | | Monitoring Location: 1 | | | | | | |
| Wastewater Description: Treated metal finishing wastewaters generated by cleaning, etching, and anodizing processes | | | | | | | | | |
| Monitoring Location Description: Building No. 2, final pH adjustment tank effluent pipe to sanitary sewer | | | | | | | | | |
| Discharge is to: The Town of South Windsor Water Pollution Control Facility | | | | | | | | | |
| 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 | ---- | ---- | Semi-Annual | Daily Composite | NA | NR | NA | |
| Cadmium, Total | mg/l | 0.07 | 0.11 | Semi-Annual | Daily Composite | 0.16 | NR | NA | |
| Chromium, Total | mg/l | 1.0 | 2.0 | Weekly | Daily Composite | 3.0 | NR | NA | |
| Copper, Total | mg/l | 1.0 | 2.0 | Weekly | Daily Composite | 3.0 | NR | NA | |
| Cyanide, Total | mg/l | 0.65 | 1.2 | Semi-Annual | Grab Sample Average | 1.8 | NR | NA | |
| Fluoride, Total | mg/l | 20.0 | 30.0 | Weekly | Daily Composite | 45.0 | NR | NA | |
| Flow Rate (Average Daily) ¹ | gpd | 20,000 | 30,000 | Continuous | Daily Flow | NA | NR | NA | |
| Flow, Maximum during 24 hr period ¹ | gpd | NA | 30,000 | Continuous | Daily Flow | NA | NR | NA | |
| Flow (Day of Sampling) | gpd | NA | 30,000 | Weekly | Daily Flow | NA | NR | NA | |
| pH _i (Day of Sampling) | S.U. | NA | NA | NR | NA | 6.0-10.0 | Weekly | RDS | |
| pH _i Minimum | S.U. | NA | NA | NR | NA | 6.0 | Continuous | Continuous | |
| pH _i Maximum | S.U. | NA | NA | NR | NA | 10.0 | Continuous | Continuous | |
| Lead, Total | mg/l | 0.1 | 0.5 | Semi-Annual | Daily Composite | 0.75 | NR | NA | |
| Nickel, Total | mg/l | 1.0 | 2.0 | Weekly | Daily Composite | 3.0 | NR | NA | |
| Silver, Total | mg/l | 0.1 | 0.43 | Semi-Annual | Daily Composite | 0.64 | NR | NA | |
| Tin, Total | mg/l | 2.0 | 4.0 | Semi-Annual | Daily Composite | 6.0 | NR | NA | |
| Titanium, Total | mg/l | 1.0 | 2.0 | Weekly | Daily Composite | 3.0 | NR | NA | |
| Total Toxic Organics ³ | mg/l | NA | NA | NR | NA | 1.42 | Semi-Annual | Grab | |
| Zinc, Total | mg/l | 1.0 | 2.0 | Semi-Annual | Daily Composite | 3.0 | NR | NA | |
| Table Footnotes and Remarks: | | | | | | | | | |
| 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 See Section 5, paragraph G. | | | | | | | | | |

Table C

| Discharge Serial Number: DSN 002-1 | | | Monitoring Location: 1 | | | | | |
|---|-------|----------------------------|------------------------|---|---|---------------------------------------|---|---|
| Wastewater Description: Wastewaters generated by rinsing fluorescent penetrant solution off metal parts | | | | | | | | |
| Monitoring Location Description: Building No. 1, sampling tap on discharge pipe from rinse booth | | | | | | | | |
| Discharge is to: The Town of South Windsor Water Pollution Control Facility | | | | | | | | |
| 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 |
| Cadmium, Total | mg/l | 0.07 | 0.11 | Semi-Annual | Daily Composite | 0.16 | NR | NA |
| Chromium, Total | mg/l | 1.0 | 2.0 | Quarterly | Daily Composite | 3.0 | NR | NA |
| Copper, Total | mg/l | 1.0 | 2.0 | Quarterly | Daily Composite | 3.0 | NR | NA |
| Cyanide, Total | mg/l | 0.65 | 1.2 | Semi-Annual | Grab Sample Average | 1.8 | NR | NA |
| Flow Rate (Average Daily) ¹ | gpd | 5,000 | 6,000 | Continuous/Quarterly | Daily Flow | NA | NR | NA |
| Flow, Maximum during 24 hr period ¹ | gpd | NA | 6,000 | Continuous/Quarterly | Daily Flow | NA | NR | NA |
| Flow (Day of Sampling) | gpd | NA | 6,000 | Quarterly | Daily Flow | NA | NR | NA |
| pH, (Day of Sampling) | S.U. | NA | NA | NR | NA | 6.0-10.0 | Quarterly | RDS |
| pH, Minimum | S.U. | NA | NA | NR | NA | 6.0 | Continuous/Quarterly | Continuous |
| pH, Maximum | S.U. | NA | NA | NR | NA | 10.0 | Continuous/Quarterly | Continuous |
| Lead, Total | mg/l | 0.1 | 0.5 | Semi-Annual | Daily Composite | 0.75 | NR | NA |
| Nickel, Total | mg/l | 1.0 | 2.0 | Quarterly | Daily Composite | 3.0 | NR | NA |
| Oil Petroleum, Total Recoverable | mg/l | NA | 50.0 | Semi-Annual | Grab Sample Average | 75.0 | NR | NA |
| Silver, Total | mg/l | 0.1 | 0.43 | Semi-Annual | Daily Composite | 0.64 | NR | NA |
| Titanium, Total | mg/l | 1.0 | 2.0 | Quarterly | Daily Composite | 3.0 | NR | NA |
| Total Toxic Organics ³ | mg/l | NA | NA | NR | NA | 1.42 | Semi-Annual | Grab |
| Zinc, Total | mg/l | 1.0 | 2.0 | Semi-Annual | Daily Composite | 3.0 | NR | NA |

Table Footnotes and Remarks:**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 See Section 5, paragraph G.

Table D

| Discharge Serial Number: DSN 003-1 | | | | Monitoring Location: 1 | | | | |
|---|-------|----------------------------|---------------------|---|---|---------------------------------------|---|---|
| Wastewater Description: Wastewaters generated by ultrasonic testing of metal parts | | | | | | | | |
| Monitoring Location Description: Building No. 1, batch discharge from ultrasonic tank | | | | | | | | |
| Discharge is to: The Town of South Windsor Water Pollution Control Facility | | | | | | | | |
| 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 |
| Cadmium, Total | mg/l | NA | NA | NR | NA | 0.11 | Semi-Annual | Grab |
| Chromium, Total | mg/l | NA | NA | NR | NA | 2.0 | Semi-Annual | Grab |
| Copper, Total | mg/l | NA | NA | NR | NA | 2.0 | Semi-Annual | Grab |
| Cyanide, Total | mg/l | NA | NA | NR | NA | 1.2 | Semi-Annual | Grab |
| Flow Rate (Average Daily) ¹ | gpd | NA | NA | NR | NA | 1,000 | Quarterly | Daily Flow |
| Flow, Maximum during 24 hr period ¹ | gpd | NA | NA | NR | NA | 1,000 | Quarterly | Daily Flow |
| Flow (Day of Sampling) | gpd | NA | NA | NR | NA | 1,000 | Quarterly | Daily Flow |
| pH, (Day of Sampling) | S.U. | NA | NA | NR | NA | 6.0-10.0 | Quarterly | RDS |
| Lead, Total | mg/l | NA | NA | NR | NA | 0.5 | Semi-Annual | Grab |
| Nickel, Total | mg/l | NA | NA | NR | NA | 2.0 | Semi-Annual | Grab |
| Silver, Total | mg/l | NA | NA | NR | NA | 0.43 | Semi-Annual | Grab |
| Titanium, Total | mg/l | NA | NA | NR | NA | 2.0 | Semi-Annual | Grab |
| Total Toxic Organics ³ | mg/l | NA | NA | NR | NA | 1.42 | Semi-Annual | Grab |
| Zinc, Total | mg/l | NA | NA | NR | NA | 2.0 | Semi-Annual | Grab |

Table Footnotes and Remarks:**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 See Section 5, paragraph G.

- (B) All samples shall be comprised of only those wastewaters described in this schedule; therefore, samples shall be taken prior to combination with wastewaters of any other type and after all approved treatment units, if applicable. All samples taken shall be representative of the discharge during standard operating conditions.
- (C) In cases where limits and sample type are specified but sampling is not required, the limits specified shall apply to all samples which may be collected and analyzed by, the Department of Energy and Environmental Protection personnel, the Permittee, or other parties.

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 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. 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:

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.
- (G) For Total Toxic Organics (TTO) monitoring, in accordance with 22a-430-4(1) of the RCSA and, 40 CFR 433 (Metal Finishing), the Permittee may, in lieu of analyzing for TTO, include a statement on each DMR certifying compliance with its approved Solvent Management Plan. This certification statement shall be as follows:

"Based on my inquiry of the person or persons responsible for managing compliance with the permit limitation for Total Toxic Organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report which required such certification. I further certify that this facility is implementing the solvent management plan approved by the Commissioner."

SECTION 6: RECORDING AND REPORTING OF VIOLATIONS, ADDITIONAL TESTING REQUIREMENTS

- (A) If any sample analysis indicates that an effluent limitation specified in Section 4 of this permit has been exceeded, a second sample of the effluent shall be collected and analyzed for the parameter(s) in question and the results reported to the Bureau of Materials Management and Compliance Assurance (Attn: DMR Processing) within 30 days of the exceedance.
- (B) The Permittee shall immediately notify the Bureau of Materials Management and Compliance Assurance and the local WPCA of all discharges that could cause problems to the Publicly Owned Treatment Works ("POTW"), including but not limited to slug loadings of pollutants which may cause a violation of the POTW's NPDES permit, or which may

inhibit or disrupt the POTW, its treatment processes or operations, or its sludge processes, use or disposal.

- (C) In addition to the notification requirements specified in Section 1B of this permit, if any sampling and analysis of the discharge performed by the Permittee indicates a violation of limits specified in Section 4 of this permit, the Permittee shall notify the Bureau of Materials Management and Compliance Assurance within 24 hours of becoming aware of the violation.

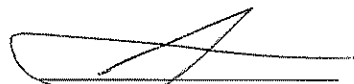
SECTION 7: COMPLIANCE CONDITIONS

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.

This permit is hereby issued on

7/22/13



Macky McCleary
Deputy Commissioner
Department of Energy and Environmental Protection

MM/MM

cc: South Windsor POTW

DATA TRACKING AND TECHNICAL FACT SHEET

Permittee: Delisle, Inc. d/b/a Metals Testing Company, Inc.

PERMIT, ADDRESS, AND FACILITY DATA

PERMIT #: SP0000380

APPLICATION #: 201100618

| | |
|---|--|
| <u>Mailing Address:</u> Street: 80 Kimberly Drive City: South Windsor ST: CT Zip: 06074 Contact Name: Anthony Bruno Phone No.: 860.289.8025 | <u>Location Address:</u> Street: 66 and 80 Kimberly Drive City: South Windsor ST: CT Zip: 06074 DMR Contact: Anthony Bruno Phone No.: 860.289.8025 |
|---|--|

PERMIT INFORMATION

DURATION 5 YEAR X 10 YEAR ____ 30 YEAR ____

TYPE New ____ Reissuance X Modification ____

CATEGORIZATION POINT (X) NON-POINT () GIS #

NPDES () PRETREAT (X) GROUND WATER (UIC) () GROUND WATER (OTHER) ()

NPDES MAJOR (MA)

NPDES or PRETREAT SIU (SI) X

NPDES or PRETREATMENT MINOR (MI)

PRETREAT SIGNIFICANT INDUS USER (SIU) X

PRETREAT CATEGORICAL (CIU) X

POLLUTION PREVENTION MANDATE ____

ENVIRONMENTAL EQUITY ISSUE

SOLVENT MANAGEMENT PLAN

Is the facility operating under an approved solvent management plan?

YES X NO ____

Approved on: April 17, 2013

COMPLIANCE ISSUES

COMPLIANCE SCHEDULE YES NO X (If yes check off what it is in relation to.)

POLLUTION PREVENTION ____ TREATMENT REQUIREMENT ____ WATER CONSERVATION

WATER QUALITY REQUIREMENT ____ REMEDIATION ____ OTHER ____

IS THE PERMITTEE SUBJECT TO A PENDING ENFORCEMENT ACTION? NO X YES ____

OWNERSHIP CODE

Private X Federal ____ State ____ Municipal (town only) ____ Other public

PERMIT FEES

| Discharge Code | DSN Number | Annual Fee |
|----------------|------------|--------------|
| 501035Z | 001-1 | \$8,425.00 |
| 501035N | 002-1 | *See comment |
| 501035N | 003-1 | *See comment |

* The amount of \$8,425.00 accounts for all discharges.

FOR SEWER DISCHARGES

Discharge to The Town of South Windsor POTW via its collection system. The facility I.D. of the POTW is 132-001.

NATURE OF BUSINESS GENERATING DISCHARGE

Delisle, Inc. d/b/a Metals Testing Company, Inc. performs various non-destruct testing procedures on primarily aircraft component parts manufactured by its customers. As part of the testing process, etching and anodizing processes are employed. However, certain process operations enhance the quality of the parts and therefore constitute manufacturing operations.

PROCESS AND TREATMENT DESCRIPTION (by DSN)

DSN 001: These wastewaters are generated by rinsing chemical solutions off metal parts and disposal of spent baths. These wastewaters are collected and discharged to an on-site wastewater treatment system, which consists of pH adjustment, flocculation, clarification, sand filtration, filter press, and sludge dewatering. This treated effluent is discharged to the sanitary sewer.

DSN 002: These wastewaters are generated by rinsing fluorescent penetrant and emulsifier solutions off metal parts. After monitoring for flow and pH, the wastewater is discharged directly to the sanitary sewer. The spent penetrant and emulsifier solutions are hauled away for disposal at a licensed facility.

DSN 003: These wastewaters are generated through ultrasonic testing for metal parts. No chemicals are used in this process. The wastewater is discharged directly to the sanitary sewer. The discharge does not need treatment.

RESOURCES USED TO DRAFT PERMIT

| | | |
|--------------|---------------------------------------|------------------------------------|
| <u> X </u> | Federal Effluent Limitation Guideline | <u>40 CFR 433, Subpart A, PSNS</u> |
| ___ | Performance Standards | name of category |
| <u> X </u> | Federal Development Document | <u>Metal Finishing</u> |
| ___ | Treatability Manual | name of category |
| <u> X </u> | Department File Information | |

- ___ Connecticut Water Quality Standards
- ___ Anti-degradation Policy
- ___ Coastal Management Consistency Review Form (See Other Comments)
- ___ Other - Explain

BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

- X Pretreatment Standards for New Sources (PSNS)
DSN 001-1: Silver (MDL)
DSN 002-1: Silver (MDL)
- X Case by Case using Best Professional Judgement
DSN 001-1: Titanium (AML, MDL, MIL), Cadmium (MIL), Total Toxic Organics (MDL, MIL), Silver (MIL), Total Cyanide (MIL)

DSN 002-1: Titanium (AML, MDL, MIL), Cadmium (MIL), Total Toxic Organics (MDL, MIL), Silver (MIL), Total Cyanide (MIL)

DSN 003-1: Cadmium, Total Chromium, Copper, Total Cyanide, Lead, Nickel, Silver, Titanium, Total Toxic Organics, Zinc
- X Section 22a-430-4(s) of the Regulations of Connecticut State Agencies

DSN 001-1: Aluminum (monitoring only), Cadmium (AML, MDL), Total Chromium (AML, MDL, MIL), Copper (AML, MDL, MIL), Total Cyanide (AML, MDL), Fluoride (AML, MDL, MIL), Lead (AML, MDL, MIL), Nickel (AML, MDL, MIL), Silver (AML), Tin (AML, MDL, MIL), Zinc (AML, MDL, MIL)

DSN 002-1: Cadmium (AML, MDL), Total Chromium (AML, MDL, MIL), Copper (AML, MDL, MIL), Total Cyanide (AML, MDL), Lead (AML, MDL, MIL), Nickel (AML, MDL, MIL), Silver (AML), Zinc (AML, MDL, MIL)

AML: Average Monthly Limit, MDL: Maximum Daily Limit, MIL: Maximum Instantaneous Limit

GENERAL COMMENTS

In developing the permit's concentration limits, EPA Metal Finishing Categorical Limits (40 CFR Part 433) and Section 22a-430-4(s)(2) of the Regulations of Connecticut State Agencies limits were compared. Except as noted above, the Connecticut limits were found to be more stringent and thus incorporated in the permit.

The pH limits of 6.0-10.0 S.U. are considered to be protective of sanitary sewer systems.

Aluminum raw materials are used on site, and therefore monitoring was included for DSN 001-1.

OTHER COMMENTS

Delisle Inc. d/b/a Metals Testing Company, Inc. has constructed a new building addition, Building No. 2, to the site. This new building will house the new metal finishing operations and new wastewater treatment system. This permit renewal includes an increase in the maximum daily flow up to 30,000 gallons per day, three times more than the previously permitted limit, and approval of the new wastewater treatment system. In addition, the treatment system will treat spent etchant solutions from the process. DSN 001-1 is now located in Building No. 2.

Table A will be in effect during the two month interim period, while they test the new process line and treatment system.

Delisle, Inc. d/b/a Metals Testing Company, Inc. is a job shop plater, as defined in 40 CFR 433, Subpart A, 433.11(c) because the company owns less than 50% of the parts undergoing metal finishing. Although the company conducts testing on customers' parts, the quality of these parts is enhanced through etching and anodizing. Therefore, 40 CFR 433 applies. This facility is subject to Pretreatment Standards for New Sources (PSNS) because operations at this site began July 2, 1990, after promulgation of 40 CFR 413. The previous permit and fact sheet indicated that the limits were based on 40 CFR 433, PSES, which was in error.

Previously, limits and monitoring were not included in the permit for discharge from DSN 003-1. However, these wastewaters are related to metal finishing. Testing is a listed process in 40 CFR 433 that is subject to the metal finishing limits included for the primary six metal finishing operations. Therefore, this discharge is subject to 40 CFR 433 and 22a-430-4(s) of the Regulations of Connecticut State Agencies (RCSA).

DSN 003-1 is described as a batch discharge from an ultrasonic tank. There are no chemicals added and the tank is discharged approximately once every two months. Flow, pH, metals, and cyanide will be measured on a batch basis. Therefore, all parameters are listed under "Instantaneous Monitoring" to reflect the nature of the batch discharge. In addition, because of the frequency of this discharge, it was determined that the Maximum Daily Limits were the best to include in Table D, rather than Maximum Instantaneous Limits.

On August 30, 2012, the permittee requested an increase in flow and an upgrade to its wastewater treatment system. The permittee has paid the appropriate fees for this application.

In an email dated March 18, 2013, Mr. Fred Shaw of the South Windsor POTW proposed limits lower than those listed in the state and federal regulations. However, Mr. Shaw confirmed that he is okay with the permit conditions on May 9, 2013.

The public notice was published in the Hartford Courant on May 22, 2013. The Department has received no written comments on the proposed action.