

NPDES PERMIT

issued to

Auto Swage Products, Inc.
726 River Road
Shelton, CT 06484

Location Address:

726 River Road
Shelton, CT 06484

Facility ID: 126-017

Permit ID: CT0020826

Receiving Stream: Housatonic River

Permit Expires: May 28, 2012

SECTION 1: GENERAL PROVISIONS

- (A) This permit is reissued 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 section 402(b) of the Clean Water Act, as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an N.P.D.E.S. permit program.
- (B) Auto Swage Products, 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)(10)(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

- (a) Definitions
- (b) General
- (c) Inspection and Entry
- (d) Effect of a Permit
- (e) Duty
- (f) Proper Operation and Maintenance
- (g) Sludge Disposal
- (h) Duty to Mitigate
- (i) Facility Modifications; Notification
- (j) Monitoring, Records and Reporting Requirements
- (k) Bypass
- (l) Conditions Applicable to POTWs
- (m) Effluent Limitation Violations (Upsets)
- (n) Enforcement
- (o) Resource Conservation
- (p) Spill Prevention and Control
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- (r) Equalization

Section 22a-430-4 Procedures and Criteria

- (a)Duty to Apply
- (b)Duty to Reapply
- (c)Application Requirements
- (d)Preliminary Review
- (e)Tentative Determination
- (f)Draft Permits, Fact Sheets
- (g)Public Notice, Notice of Hearing
- (h)Public Comments
- (i)Final Determination
- (j)Public Hearings
- (k)Submission of Plans and Specifications. Approval.
- (l)Establishing Effluent Limitations and Conditions
- (m)Case by Case Determinations
- (n)Permit issuance or renewal
- (o)Permit Transfer
- (p)Permit revocation, denial or modification
- (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.
- (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 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) No provision of this permit and no action or inaction by the Commissioner shall be construed to constitute an assurance by the Commissioner that the actions taken by the Permittee pursuant to this permit will result in compliance or prevent or abate pollution.
- (G) Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.
- (H) 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.
- (I) This permitted discharge is consistent with the applicable goals and policies of the Connecticut Coastal Management Act (section 22a-92 of the Connecticut General Statutes).

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, except for "No Observable Acute Effect Level (NOAEL)" which is redefined below.

(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.

"Annual" in the context of any sampling frequency found in Section 5, shall mean the sample must be collected in the month of September.

"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.

"Critical Test Concentration (CTC)" means the specified effluent dilution at which the Permittee is to conduct a single-concentration Aquatic Toxicity test.

"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 discharged during an operating 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.

"In stream Waste Concentration (IWC)" means the concentration of a discharge in the receiving water after mixing has occurred in the allocated zone of influence.

"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".

"No Observable Acute Effect Level (NOAEL)" means any concentration equal to or less than the critical test concentration in a single concentration (pass/fail) toxicity test conducted pursuant to section 22a-430-3(j)(7)(A)(i) RCSA demonstrating greater than 50% survival of test organisms in 100% (undiluted) effluent and 90% or greater survival of test organisms at the CTC.

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

"Range During Sampling" ("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 means the maximum and minimum readings recorded with the continuous monitoring device during the Composite or Grab Sample Average sample collection.

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

"ug/l" means micrograms per liter.

SECTION 3: COMMISSIONER'S DECISION

- (A) The Commissioner has issued a final determination and found that continuance of the existing system to treat the discharge will protect the waters of the state from pollution. The Commissioner's decision is based on Application No. 200403146 for permit reissuance received on December 22, 2004, and the administrative record established in the processing of that application.
- (B) The Commissioner hereby authorizes the Permittee to discharge in accordance with the provisions of this permit, 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.
- (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 which may be authorized under the Federal Clean Water Act or the CGS 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 CGS or regulations adopted thereunder which are then applicable.

SECTION 4: GENERAL EFFLUENT LIMITATIONS

- (A) No discharge shall contain, or cause in the receiving stream, a visible oil sheen or floating solids; or, cause visible discoloration or foaming in the receiving stream.
- (B) No discharge shall cause acute or chronic toxicity in the receiving water body beyond any zone of influence specifically allocated to that discharge in this permit.
- (C) The temperature of any discharge shall not increase the temperature of the receiving stream above 85°F, or, in any case, raise the normal temperature of the receiving stream more than 4°F.

SECTION 5: SPECIFIC EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

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

Table A

Discharge Serial Number: 001-1

Monitoring Location: 1

Wastewater Description: Electroplating, boiler blowdown, scrubber and laboratory wastewaters, pretreated cyanide plating wastewater

Monitoring Location Description: Parshall Flume

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING			Minimum Level Test ³
		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	Sample Type or Measurement to be reported	
Aluminum, Total	mg/l	2.0	4.0	Weekly	Daily Composite	6.0	NR	Grab	
Ammonia	mg/l	NA	----	Quarterly	Daily Composite	NA	NR	NA	
Cadmium, Total	mg/l	0.1	0.2	Quarterly	Daily Composite	0.75	NR	Grab	*
Cadmium	kg/d	0.017	0.034	Quarterly	Daily Composite	NA	NR	NA	*
Chemical Oxygen Demand	mg/l	NA	----	Quarterly	Daily Composite	NA	NR	NA	
Chlorine, Total Residual	mg/l	0.5	1.0	Weekly	Grab Sample Average	1.5	NR	Grab	*
Chromium, Total	mg/l	1.0	2.0	Annually	Daily Composite	3.0	NR	Grab	
Copper, Total	mg/l	1.0	2.0	Weekly	Daily Composite	3.0	NR	Grab	*
Copper	kg/d	0.12	0.24	Weekly	Daily Composite	NA	NR	NA	*
Cyanide, Total	mg/l	0.65	1.2	Weekly	Grab Sample Average	1.8	NR	Grab	*
Cyanide	kg/d	0.11	0.21	Weekly	Grab Sample Average	NA	NR	NA	*
Flow, Total	gpd	NA	96,000	Weekly	Daily Flow	NA	NR	NA	
Flow, Average & Maximum Daily ¹	gpd	65,000	96,000	Continuous//Monthly	Daily Flow	NA	NR	NA	
Gold, Total	mg/l	0.1	0.5	Quarterly	Daily Composite	0.75	NR	Grab	
Hours of Discharge	hr.	NA	----	Weekly	Total hours	NA	NR	NA	
Iron, Total	mg/l	3.0	5.0	Quarterly	Daily Composite	7.5	NR	Grab	
Lead, Total	mg/l	0.1	0.42	Weekly	Daily Composite	0.63	NR	Grab	*
Lead	kg/d	0.024	0.049	Weekly	Daily Composite	NA	NR	NA	*
Nickel, Total	mg/l	1.0	2.0	Weekly	Daily Composite	3.0	NR	Grab	
Oil and Grease, Total	mg/l	10.0	15.0	Quarterly	Grab Sample Average	20.0	NR	Grab	
Palladium, Total	mg/l	NA	----	Quarterly [†]	Daily Composite	NA	NR	NA	
pH	S.U.	NA	NA	NR	NA	6.0 – 9.0	Weekly	RDS	
pH, Continuous	S.U.	NA	NA	NR	NA	6.0 – 9.0	Continuous//Monthly	RDM	

Table A (continued)

Discharge Serial Number: 001-1

Monitoring Location: 1

Wastewater Description: Electroplating, boiler blowdown, scrubber and laboratory wastewaters, pretreated cyanide plating wastewater

Monitoring Location Description: Parshall Flume

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING			Minimum Level Test ³
		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	Sample Type or Measurement to be reported	
Silver, Total	mg/l	0.1	0.43	Quarterly	Daily Composite	0.64	NR	Grab	*
Silver	kg/d	0.009	0.017	Quarterly	Daily Composite	NA	NR	NA	*
Solids, Total Dissolved	mg/l	NA	----	Quarterly	Daily Composite	NA	NR	NA	
Solids, Total Suspended	mg/l	20.0	30.0	Weekly	Daily Composite	45.0	NR	Grab	
Surfactants, Anionic	mg/l	NA	----	Quarterly	Daily Composite	NA	NR	NA	
Temperature	° F	NA	NA	NR	NA	----	Weekly	Grab	
Tin, Total	mg/l	2.0	4.0	Weekly	Daily Composite	6.0	NR	Grab	
Total Toxic Organics (TTOs) ⁴	mg/l	NA	NA	NR	NA	2.13	Weekly	Grab	
Zinc, Total	mg/l	1.0	2.0	Weekly	Daily Composite	3.0	NR	Grab	

Table A Footnotes and Remarks:

Footnotes:

¹ For this parameter the Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report the Average Daily Flow and the Maximum Daily Flow for each month.

² The first entry in this column is the ‘Sample Frequency’. If a ‘Reporting Frequency’ does not follow this entry 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 Minimum Level Test refers to Section 6, Paragraph (A)(3) of this permit.

⁴ See Section 7, Paragraph (D).

Remarks:

⁴ Monitoring for palladium shall occur during the discharge of wastewater from palladium plating operations. For any sampling month in which palladium plating is not performed, the Permittee may, in lieu of analyzing for palladium, include a statement on the Discharge Monitoring Report (DMR), at the frequency required, certifying that palladium has not been used in plating operations during the month of sampling.

Table B

Discharge Serial Number: 001-A

Monitoring Location: 1

Wastewater Description: Cyanide Plating Wastewater

Monitoring Location Description: After the cyanide treatment holding tank

PARAMETER	UNITS	FLOW/TIME BASED MONITORING				INSTANTANEOUS MONITORING			Minimum Level Test ³
		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	Sample Type or measurement to be reported	
Cyanide, Amenable	mg/l	0.1	0.2	Weekly	Grab Sample Average	0.3	NR	Grab	
Flow, Average and Maximum Daily ¹	gpd	----	8,000	Continuous// Monthly	Daily Flow	NA	NR	NA	

Table B Footnotes and Remarks:

Footnotes:

¹ For this parameter the Permittee shall maintain at the facility a record of the total flow for each day of discharge and shall report the Average Daily Flow and the Maximum Daily Flow for each month.

² The first entry in this column is the 'Sample Frequency'. If a 'Reporting Frequency' does not follow this entry 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 Minimum Level Test refers to Section 6, Paragraph (A)(3) of this permit.

TABLE C						
Discharge Serial Number (DSN): 001-1			Monitoring Location: T			
Wastewater Description: Electroplating, boiler blowdown, scrubber and laboratory wastewaters, treated cyanide plating wastewater						
Monitoring Location Description: Parshall Flume						
Allocated Zone of Influence (ZOI): 268,100 gph				In stream Waste Concentration (IWC): 1.0%		
PARAMETER	Units	Maximum Daily Limit	Maximum Instantaneous Limit	Sampling Frequency	Sample Type	Minimum Level Analysis See Section 6
Aluminum, Total	mg/l	4.0	NA	Quarterly	Daily Composite	
Aquatic Toxicity, Daphnia pulex ¹ LC ₅₀	%	> 20%	> 6.67%	Quarterly	Daily Composite	
Aquatic Toxicity, Pimephales promelas ¹ LC ₅₀	%	> 20%	> 6.67%	Quarterly	Daily Composite	
Cadmium, Total	mg/l	0.2	NA	Quarterly	Daily Composite	*
Chlorine, Total Residual	mg/l	1.0	NA	Quarterly	Grab Sample Average	*
Chromium, Total	mg/l	2.0	NA	Annually	Daily Composite	
Copper, Total	mg/l	2.0	NA	Quarterly	Daily Composite	*
Cyanide, Amenable	mg/l	0.2	NA	Quarterly	Grab Sample Average	
Cyanide, Total	mg/l	1.2	NA	Quarterly	Grab Sample Average	*
Gold, Total	mg/l	0.5	NA	Quarterly	Daily Composite	
Iron, Total	mg/l	5.0	NA	Quarterly	Daily Composite	
Lead, Total	mg/l	0.42	NA	Quarterly	Daily Composite	*
Nickel, Total	mg/l	2.0	NA	Quarterly	Daily Composite	
Nitrogen, Ammonia (total as N)	mg/l	----	NA	Quarterly	Daily Composite	
Nitrogen, Nitrate, (total as N)	mg/l	----	NA	Quarterly	Daily Composite	
Nitrogen, Nitrite, (total as N)	mg/l	----	NA	Quarterly	Daily Composite	
Palladium, Total	mg/l	----	NA	Quarterly	Daily Composite	

TABLE C						
Discharge Serial Number (DSN): 001-1			Monitoring Location: T			
Wastewater Description: Electroplating, boiler blowdown, scrubber and laboratory wastewaters, treated cyanide plating wastewater						
Monitoring Location Description: Parshall Flume						
Allocated Zone of Influence (ZOI): 268,100 gph				In stream Waste Concentration (IWC): 1.0%		
PARAMETER	Units	Maximum Daily Limit	Maximum Instantaneous Limit	Sampling Frequency	Sample Type	Minimum Level Analysis See Section 6
Silver, Total	mg/l	0.43	NA	Quarterly	Daily Composite	*
Solids, Total Suspended	mg/l	30.0	NA	Quarterly	Daily Composite	
Surfactants, Anionic	mg/l	----	NA	Quarterly	Daily Composite	
Tin, Total	mg/l	4.0	NA	Quarterly	Daily Composite	
Zinc, Total	mg/l	2.0	NA	Quarterly	Daily Composite	
Remarks: Note: All analyses shall be on the same sample. ¹ The results of the Toxicity Tests shall be recorded in % on the DMR.						

- (1) All samples shall be comprised of only the wastewater described in this table. Samples shall be collected prior to combination with receiving waters or wastewater of any other type, and after all approved treatment units, if applicable. All samples collected shall be representative of the discharge during standard operating conditions.
- (2) In cases where limits and sample type are specified but sampling is not required by this permit, the limits specified shall apply to all samples which may be collected and analyzed by the Department of Environmental Protection personnel, the Permittee, or other parties.
- (3) The limits imposed on the discharges listed in this permit take effect on the issuance date of this permit, hence any sample taken after this date which, upon analysis, shows an exceedance of permit limits will be considered non-compliance.

The monitoring requirements begin on the date of issuance of this permit if the issuance date is on or before the 12th day of a month. For permits issued on or after the 13th day of a month, monitoring requirements begin the 1st day of the following month.

SECTION 6: SAMPLE COLLECTION, HANDLING AND ANALYTICAL TECHNIQUES

(A) Chemical Analysis

- (1) Chemical analyses to determine compliance with effluent limits and conditions established in this permit shall be performed using the methods approved pursuant to the Code of Federal Regulations, Part 136 of Title 40 (40 CFR 136) unless an alternative method has been approved in writing pursuant to 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.
- (2) All metals analyses identified in this permit shall refer to analyses for Total Recoverable Metal as defined in 40 CFR 136 unless otherwise specified.
- (3) The Minimum Levels specified below represent the concentrations at which quantification must be achieved and verified during the chemical analyses for the parameters identified in Section 5 Tables A and B. Analyses for these parameters must include check standards within ten percent of the specified Minimum Level or calibration points equal to or less than the specified Minimum Level.

<u>Parameter</u>	<u>Minimum Level</u>
Cadmium	0.5 ug/L
Chlorine, total residual	20.0 ug/L
Cyanide	10.0 ug/L
Copper	5.0 ug/L
Lead	5.0 ug/L
Silver	2.0 ug/L

- (4) The value of each parameter for which monitoring is required under this permit shall be reported to the maximum level of accuracy and precision possible consistent with the requirements of this section of the permit.
- (5) Effluent analyses for which quantification was verified during the analysis at or below the minimum levels specified in this section and which indicate that a parameter was not detected shall be reported

as "less than x" where 'x' is the numerical value equivalent to the analytical method detection limit for that analysis.

- (6) Results of effluent analyses which indicate that a parameter was not present at a concentration greater than or equal to the Minimum Level specified for that analysis shall be considered equivalent to zero (0.0) for purposes of determining compliance with effluent limitations or conditions specified in this permit.

(B) Acute Aquatic Toxicity Test

- (1) Samples for monitoring of Aquatic Toxicity shall be collected and handled as prescribed in "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA/821-R-02-012).
 - (a) Composite samples shall be chilled as they are collected. Grab samples shall be chilled immediately following collection. Samples shall be held at 4 degrees Centigrade until Aquatic Toxicity testing is initiated.
 - (b) Effluent samples shall not be dechlorinated, filtered, or, modified in any way, prior to testing for Aquatic Toxicity unless specifically approved in writing by the Commissioner for monitoring at this facility.
 - (c) Chemical analyses of the parameters identified in Section 5 Table C shall be conducted on an aliquot of the same sample tested for Aquatic Toxicity.
 - (i) At a minimum, pH, specific conductance, total alkalinity, total hardness, and total residual chlorine shall be measured in the effluent sample and, during Aquatic Toxicity tests, in the highest concentration of test solution and in the dilution (control) water at the beginning of the test and at test termination. If total residual chlorine is not detected at test initiation, it does not need to be measured at test termination. Dissolved oxygen, pH, and temperature shall be measured in the control and all test concentrations at the beginning of the test, daily thereafter, and at test termination.
 - (d) Tests for Aquatic Toxicity shall be initiated within 36 hours of sample collection.
- (2) Monitoring for Aquatic Toxicity to determine compliance with the permit limit on Aquatic Toxicity (invertebrate) above shall be conducted for 48-hours utilizing neonatal Daphnia pulex (less than 24-hours old)
- (3) Monitoring for Aquatic Toxicity to determine compliance with the permit limit on Aquatic Toxicity (vertebrate) above shall be conducted for 48-hours utilizing larval Pimephales promelas (1-14 days old with no more than 24-hours range in age).
- (4) Tests for Aquatic Toxicity shall be conducted as prescribed for static non-renewal acute tests in "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA/821-R-02-012), except as specified below.
 - (a) Definitive (multi-concentration) testing, with LC50 as the endpoint, shall be conducted to determine compliance with limits on Aquatic Toxicity and monitoring conditions and shall incorporate, at a minimum, the following effluent concentrations:

- (i) For Aquatic Toxicity Limits expressed as LC50 values between 15% and 33% and for monitoring only conditions: 100%, 50%, 25%, 12.5%, and 6.25%
 - (b) Organisms shall not be fed during the tests.
 - (c) Copper nitrate shall be used as the reference toxicant in tests with freshwater organisms.
 - (d) Synthetic freshwater prepared with deionized water adjusted to a hardness of 100 mg/L (plus or minus 5 mg/L) as CaCO₃ shall be used as dilution water in tests with freshwater organisms.
- (5) Compliance with limits on Aquatic Toxicity shall be determined as follows:
- (a) For limits expressed as a minimum LC50 value, compliance shall be demonstrated when the results of a valid definitive Aquatic Toxicity test indicates that the LC50 value for the test is greater than the Aquatic Toxicity Limit.

SECTION 7: REPORTING REQUIREMENTS

- (A) The results of chemical analyses and any aquatic toxicity test 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 (Attn: DMR Processing) at the following address. 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 collected.

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

- (B) Complete and accurate aquatic toxicity test data, including percent survival of test organisms in each replicate test chamber, LC50 values and 95% confidence intervals for definitive test protocols, and all supporting chemical/physical measurements performed in association with any aquatic toxicity test, shall be entered on the Aquatic Toxicity Monitoring Report form (ATMR) and reported to the Bureau of Water Protection and Land Reuse (Attn: Aquatic Toxicity) at the following address. The ATMR shall be received at this address by the last day of the month following the month in which samples are collected.

Bureau of Water Protection and Land Reuse (Attn: Aquatic Toxicity)
 Connecticut Department of Environmental Protection
 79 Elm St.
 Hartford, CT 06106-5127

- (C) 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 and ATMR, 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.
- (D) For any table above that requires Total Toxic Organics (TTO) monitoring, the Permittee may, in lieu of analyzing for Total Toxic Organics, include a statement on the DMR, at the frequency required, certifying

compliance with your Solvent Management Plan if such plan has been approved by the Commissioner in accordance with 22a-430-4(l) of the RCSA and by 40CFR433 (Metal Finishing). If such approval has been granted and the reports include the compliance statement, sampling for Total Toxic Organics is no longer a requirement of this permit.

SECTION 8: RECORDING AND REPORTING OF VIOLATIONS, ADDITIONAL TESTING REQUIREMENTS

- (A) If any sample analysis indicates that an Aquatic Toxicity effluent limitation in Section 5 of this permit has been exceeded, or that the test was invalid, another sample of the effluent shall be collected and tested for Aquatic Toxicity and associated chemical parameters, as described above in Section 5 and Section 6, and the results reported to the Bureau of Materials Management and Compliance Assurance (Attn: DMR Processing), at the address listed above, within 30 days of the exceedance or invalid test. Results of all tests, whether valid or invalid, shall be reported.
- (B) If any two consecutive test results or any three test results in a twelve month period indicates that an Aquatic Toxicity Limit has been exceeded, the Permittee shall immediately take all reasonable steps to eliminate toxicity wherever possible and shall submit a report to Bureau of Water Protection and Land Reuse (Attn: Aquatic Toxicity) for the review and approval of the Commissioner in accordance with section 22a-430-3(j)(10)(c) of the RCSA describing proposed steps to eliminate the toxic impact of the discharge on the receiving water body. Such a report shall include a proposed time schedule to accomplish toxicity reduction and the Permittee shall comply with any schedule approved by the Commissioner.
- (C) The Permittee shall notify the Bureau of Materials Management and Compliance Assurance, Water Permitting and Enforcement Division, within 72 hours and in writing within thirty days of the discharge of any substance listed in the application but not listed in the permit if the concentration or quantity of that substance exceeds two times the level listed in the application.

SECTION 9: COMPLIANCE SCHEDULE

- (A) Within thirty (30) days of the date of issuance of this permit, the Permittee shall submit for the Commissioner's review and written approval, plans and specifications for a replacement sludge holding tank and its associated piping at DSN 001-1.
- (B) No later than ninety (90) days after the issuance of this permit, the Permittee shall submit written verification to the Commissioner that installation of the replacement sludge holding tank and its associated piping at DSN 001-1 have been completed.
- (C) The Permittee shall use best efforts to submit to the Commissioner all documents required by this section of the permit in a complete and approvable form. If the Commissioner notified the Permittee that any document or other action is deficient, and does not approve it with conditions or modifications, it is deemed disapproved, and the Permittee shall correct the deficiencies and resubmit it within the time specified by the Commissioner or, if no time is specified by the Commissioner, within thirty days of the Commissioner's notice of deficiencies. In approving any document or other action under this Compliance Schedule, the Commissioner may approve the document or other action as submitted or performed or with such conditions or modifications as the Commissioner deems necessary to carry out the purposes of this section of the permit. Nothing in this paragraph shall excuse noncompliance or delay.
- (D) Dates. The date of submission to the Commissioner of any document required by this section of the permit shall be the date such document is received by the Commissioner. The date of any notice by the Commissioner

under this section of the permit, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three days after it is mailed by the Commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" as used in this section of the permit means calendar day. Any document or action which is required by this section only of the permit, to be submitted, or performed, by a date which falls on, Saturday, Sunday, or, a legal Connecticut or federal holiday, shall be submitted or performed on or before the next day which is not a Saturday, Sunday, or legal Connecticut or federal holiday.

- (E) Notification of noncompliance. In the event that the Permittee becomes aware that it did not or may not comply, or did not or may not comply on time, with any requirement of this section of the permit or of any document required hereunder, the Permittee shall immediately notify the Commissioner and shall take all reasonable steps to ensure that any noncompliance or delay is avoided or, if unavoidable, is minimized to the greatest extent possible. In so notifying the Commissioner, the Permittee shall state in writing the reasons for the noncompliance or delay and propose, for the review and written approval of the Commissioner, dates by which compliance will be achieved, and the Permittee shall comply with any dates that may be approved in writing by the Commissioner. Notification by the Permittee shall not excuse noncompliance or delay, and the Commissioner's approval of any compliance dates proposed shall not excuse noncompliance or delay unless specifically so stated by the Commissioner in writing.
- (F) Notice to Commissioner of changes. Within fifteen days of the date the Permittee becomes aware of a change in any information submitted to the Commissioner under this section of the permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the Commissioner.
- (G) Submission of documents. Any document, other than a discharge monitoring report, required to be submitted to the Commissioner under this section of the permit shall, unless otherwise specified in writing by the Commissioner, be directed to:

Michelle L. Gore, Sanitary Engineer
Department of Environmental Protection
Bureau of Materials Management and Compliance Assurance
Water Permitting and Enforcement Division
79 Elm Street
Hartford, CT 06106-5127

This permit is hereby issued on May 29, 2007.

/s/ GINA MCCARTHY
Gina McCarthy
Commissioner

GM/mlg

DATA TRACKING AND TECHNICAL FACT SHEET

Permittee: Auto Swage Products, Inc.

PAMS Company ID: 20759

PERMIT, ADDRESS, AND FACILITY DATA

PERMIT #: CT0020826

APPLICATION #: 200403146

FACILITY ID. 126-017

<u>Mailing Address:</u>					<u>Location Address:</u>						
Street:	726 River Road				Street:	726 River Road					
City:	Shelton	ST:	CT	Zip:	06484	City:	Shelton	ST:	CT	Zip:	06484
Contact Name:	Milton L. Kellogg				DMR Contact	Milton L. Kellogg					
Phone No.:	(203) 929-1401 ext. 261				Phone No.:	(203) 929-1401 ext. 261					

PERMIT INFORMATION

DURATION 5 YEAR x 10 YEAR 30 YEAR

TYPE New Reissuance x Modification

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

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

NPDES MAJOR (MA) x
 NPDES SIGNIFICANT MINOR or PRETREAT SIU (SI)
 NPDES or PRETREATMENT MINOR (MI)

PRETREAT SIGNIFICANT INDUS USER (SIU)
 PRETREAT CATEGORICAL (CIU)

POLLUTION PREVENTION MANDATE ENVIRONMENTAL EQUITY ISSUE

COMPLIANCE ISSUES

COMPLIANCE SCHEDULE NO x YES

POLLUTION PREVENTION x 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

DEP STAFF ENGINEER Michelle L. Gore

PERMIT FEES

Discharge Code	DSN	Annual Fee
101035z	001-1	\$8,175.00
1170000	001-1	\$525.00
101035N	001-A	\$0.00

Acting under section 22a-430-7(g) of RCSA, the annual fee assigned to the discharge of boiler blowdown to DSN 001-1 was reduced because the fee assigned to this type of discharge in RCSA section 22a-430-7-Schedule B was determined to be excessive in relation to the cost of this permitted activity.

FOR NPDES DISCHARGES

Drainage basin Code: 6000

Present/Future Water Quality Standard: SC/SB

NATURE OF BUSINESS GENERATING DISCHARGE

Auto Swage Products, Inc. manufactures pins and connectors for the automotive, computer, and electronics industries. Manufacturing processes performed at the facility include metal forming, cleaning and deburring, and electroplating.

PROCESS AND TREATMENT DESCRIPTION (by DSN)

DSN 001-1: This discharge consists of up to 96,000 gallons per day of metal finishing wastewater and boiler blowdown wastewater. These wastewaters are treated by equalization, flocculation, clarification, neutralization, and sludge dewatering.

DSN 001-A: This discharge is an internal wastestream consisting of up to 8,000 gallons per day of cyanide plating wastewater. The wastewater is treated for cyanide by alkaline chlorination before discharging to wastewater treatment for DSN 001-1.

RESOURCES USED TO DRAFT PERMIT

- Federal Effluent Limitation Guideline 40 CFR Part 433
Metal Finishing
- Department File Information
- Connecticut Water Quality Standards
- Anti-degradation Policy

BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

- x Best Practicable Control Technology (BPT) (See Other Comments)
DSN 001: pH
- x Best Available Technology (BAT) (See General Comments)
DSN 001: Silver, TTOs
- x Case-by-Case Determination using Best Professional Judgment (See Other Comments)
DSN 001: Ammonia, COD, Gold, Lead (maximum daily limit, instantaneous limit), Palladium, TDS, Anionic Surfactants, Temperature, Total Residual Chlorine
- x Section 22a-430-4(s) of the Regulations of Connecticut State Agencies
DSN 001: Aluminum, Cadmium, Chromium, Copper, Total Cyanide, Iron, Lead (average monthly limit), Nickel, Oil and Grease, Tin, TSS, Zinc
DSN 001-A: Amenable Cyanide
- x In order to meet in-stream water quality (See General Comments)
DSN 001: Cadmium, Copper, Lead, Silver

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. The Connecticut limits were found to be more stringent and thus incorporated in the permit, except as noted above.

Water quality based discharge limitations were included in this permit for consistency with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d). Each parameter was evaluated for consistency with the available aquatic life criteria (acute and chronic) and human health (fish consumption only) criteria, considering the zone of influence allocated to the facility where appropriate. The statistical procedures outlined in the EPA Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001) were employed to calculate the limits. The most restrictive of the water quality limitations, aquatic life acute, aquatic life chronic, and human health, was compared with limitations developed according to State and Federal Best Available Technology (BAT). Where the water quality based limitations were more restrictive than BAT, the water quality based limitation was included in the permit as a mass limit in addition to the BAT concentration limit.

OTHER COMMENTS

During the drafting of this permit, an error in the water quality spreadsheet was identified. The water quality spreadsheet is not set up to directly calculate limits at a 24-hour instream waste concentration (IWC) of $\leq 1\%$ (100:1 dilution), and using a direct input for IWC within this range yields limits which are not water quality based. However, it was determined that this calculation error can be avoided by manipulating the allocated zone of influence flow input until a IWC of 1% is reached. Because the previous permit's water quality limits were artifacts of the above spreadsheet error, they were re-calculated. This re-calculation resulted in mass based limits that are lower than those provided by the previous permit.

A requirement to monitor DSN 001-1 for oil and grease has been added to the permit based on the use of lubricants and oils in wastewater generating processes at this facility.

This permit contains a more stringent limitation for pH than that provided by the previous permit based on the BPT

requirements of 40 CFR 433.13.

A requirement to monitor DSN 001-1 for iron has been added to the permit based on sampling results which show iron is present in this discharge. Iron is added to this discharge in the form of ferric and ferrous sulfate, which are wastewater treatment chemicals.

This permit includes monitoring and effluent limits for gold and monitoring for palladium. Wastewaters from gold and palladium plating processes are treated on-site prior to being discharged to the Housatonic River. The monitoring requirement for palladium is dependent upon operation of the palladium plating line.

The compliance schedule outlined in this permit requires the Permittee to replace the existing sludge holding tank and associated piping within three months of permit issuance. The existing sludge holding tank shows signs of severe corrosion and rusting and is being replaced as a pollution prevention measure.

A consent order (Consent Order No. WC 5440) for the Permittee to pay past due permitting fees owed the CT DEP was issued in conjunction with the reissuance of this permit.

During the 30-day public comment period, the Permittee requested the monitoring frequency for Total Chromium in Table C, page 8 (toxicity table) of the draft permit be changed from quarterly to annually to reflect the frequency for chromium monitoring required in Table A, as chromium is neither stored nor used at the facility. Bureau of Materials Management and Compliance Assurance staff reviewed the request and concurred with the Permittee's request.