DPTIONAL FORMS PACKET: CHROMIUM ELECTROPLATING AND ANODIZING AINOR FACILITY AIR QUALITY GENERAL PERMIT INCLUDING HALOGENATED SOLVENT CLEANING MACHINES)

ASSISTANCE AVAILABLE

DEQ Customer Assistance: (405) 702-9100

(800) 869-1400

Air Quality Division: (405) 702-4100

INTRODUCTION

This package contains optional forms to assist facilities applying for or operating under the Air Quality Division's (AQD's) General Permit to Construct and/or Operate a Chromium Electroplating or Anodizing minor facility. Included are forms to meet reporting requirements under the two Federal NESHAPs (40 CFR Part 63, Subparts N and T) included in the permit. [Note: Although use of the forms is optional, applicable reporting requirements under 40 CFR Part 63 are not optional.] Information should be submitted according to time schedules specified in the rules, and include a copy with your application to Construct or Operate. Also included are forms to assist in demonstrating compliance with various AQD rules, e.g., toxic emissions requirements of OAC 252:100-41. Please read all the directions carefully before you fill it out. Answer all questions by checking the appropriate box or filling in a response (e.g., NA = not applicable).

The following forms are included in this packet:

CONFIRMATION OF ELIGIBILITY FOR AN AUTHORIZATION TO CONSTRUCT—DEQ FORM # 100-420. (See Part 1, Section II of the referenced General Permit.)

TOXIC AIR CONTAMINANT EMISSIONS EVALUATION FORM – DEQ FORM # 100-701. (Form to Demonstrate Compliance With Requirements of Part 5 of OAC 252:100-41 - Toxic Air Contaminants)

NOTICE OF CONSTRUCTION/RECONSTRUCTION for Chromium Electroplating or Anodizing Tanks with Initial Startup After 1/25/95 – DEQ FORM # 100-421. [Under 40 CFR § 63.345 (b), notification of construction or reconstruction must be submitted "... as soon as practicable before the construction or reconstruction is planned to commence."]

INITIAL NOTIFICATION FOR NEW TANKS for Chromium Electroplating or Anodizing Tanks with Initial Startup after 1/25/95 – DEQ FORM # 100-422. [Under 40 CFR § 63.347 (c)(2), notification of commencement of construction or reconstruction is/was required to be submitted with the Notification of Construction or Reconstruction if it commenced prior to January 25, 1995, or no later than 30 calendar days after construction or reconstruction commenced. Notification of the actual date of startup of the source is required within 30 calendar days after startup.]

INITIAL NOTIFICATION FOR EXISTING TANKS for Chromium Electroplating or Anodizing Tanks with Initial Startup prior to 1/25/95 – DEQ FORM # 100-423. [Under 40 CFR § 63.347 (c)(1), initial notification was required to be submitted no later than July 24, 1995.]

NOTIFICATION OF COMPLIANCE STATUS for New & Existing Chromium Electroplating or Anodizing Tanks – DEQ FORM # 100-424. [Under 40 CFR § 63.347 (e), notification of compliance status is/was required to be submitted no later than 90 days following completion of the performance test, if required, or 30 days after the compliance date if no performance test is/was required.] (See 40 CFR § 63.343 for applicable limits, compliance dates, and performance test requirements.)

INITIAL NOTIFICATION for New & Existing Halogenated Solvent Cleaning Machines – DEQ FORM # 100-431.

[Under 40 CFR § 63.468 (a), initial notification for existing machines (commenced construction on or before November 29, 1993) was required to be submitted no later than August 29, 1995. Likewise, initial notification for new machines is required to be submitted under 40 CFR § 63.468 (b), "... as soon as practicable before the construction or reconstruction is planned to commence." If construction or reconstruction commenced after November 29, 1993, but initial startup had not occurred before December 2, 1994, initial notification was required to be submitted no later than January 31, 1995.]

COMPLIANCE REPORT for New & Existing Batch Cold Halogenated Solvent Cleaning Machines – DEQ FORM # 100-432. [Under 40 CFR § 63.468 (c), a compliance report for existing batch cold machines for existing machines (commenced construction on or before November 29, 1993) was required to be submitted no later than May 1, 1998. Likewise, a compliance report for new machines is/was required to be submitted "... no later than 150 days after startup or May 1, 1995, whichever is later."]

INITIAL STATEMENT OF COMPLIANCE FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES for New and Existing Machines complying with 40 CFR § 63.463 (the **Equipment Standard**) – DEQ FORM # 100-433.

INITIAL STATEMENT OF COMPLIANCE FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES for New and Existing Machines complying with 40 CFR § 63.464 (the Alternative Standard) – DEQ FORM # 100-434.

[Under 40 CFR § 63.468(d) and 40 CFR § 63.468(e), respectively, an initial statement of compliance for existing batch vapor or inline halogenated solvent cleaning machines (commenced construction on or before November 29, 1993) was required to be submitted no later than August 29, 1995. Likewise, an initial statement of compliance for new machines is/was required to be submitted, "... no later than 150 days after startup or May 1, 1995, whichever is later."]

ANNUAL REPORT FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES for Machines complying with the **Equipment Standard** (40 CFR § 63.463) – DEQ FORM # 100-435. [Under 40 CFR § 63.468(f), submission of an annual report is required by February 1 of each year.

ANNUAL SOLVENT EMISSION REPORT FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES for Machines complying with the Alternative Standard (40 CFR § 63.464) – DEQ FORM # 100-436. [Under 40 CFR § 63.468(g), submission of a report is required each year.

CONFIRMATION OF ELIGIBILITY FOR AN AUTHORIZATION TO CONSTRUCT

UNDER THE CHROMIUM ELECTROPLATING AND ANODIZING MINOR FACILITY AIR QUALITY GENERAL PERMIT (INCLUDING HALOGENATED SOLVENT CLEANING MACHINES)

See Part 1, Section II of the Chromium Electroplating and Anodizing Minor Facility Air Quality General Permit.) Check all that apply: The facility is not subject to OAC 252:100-8 (Permits for Part 70 Sources). The facility is designed and operated for the primary purpose of performing hard chromium electroplating, decorative chromium electroplating, or chromium anodizing, or The facility performs hard chromium electroplating, decorative chromium electroplating, or chromium anodizing ancillary other facility operations, or The facility performs halogenated solvent degreasing ancillary to other facility operations. An Air Quality permit is not otherwise required under OAC 252:100 for emission units not addressed by the referenced General Permit. The facility has no emission units subject to NSPS requirements under 40 CFR Part 60. The facility has no emission units subject to NESHAP requirements under 40 CFR Part 61. The facility has no emission units subject to NESHAP requirements under 40 CFR Part 63 other than those address by Subpart A (General Provisions), Subpart N (Chromium Emissions from Hard and Decorative Chromium Electroplating, and Chromium Anodizing Tanks), and/or Subpart T (Halogenated Solvent Degreasing). The facility has no emission units subject to any of the following subchapters of OAC 252:100:									
The facility is not subject to OAC 252:100-8 (Permits for Part 70 Sources). The facility is designed and operated for the primary purpose of performing hard chromium electroplating, decorative chromium electroplating, or chromium anodizing, or The facility performs hard chromium electroplating, decorative chromium electroplating, or chromium anodizing ancillary other facility operations, or The facility performs halogenated solvent degreasing ancillary to other facility operations. An Air Quality permit is not otherwise required under OAC 252:100 for emission units not addressed by the referenced General Permit. The facility has no emission units subject to NSPS requirements under 40 CFR Part 60. The facility has no emission units subject to NESHAP requirements under 40 CFR Part 61. The facility has no emission units subject to NESHAP requirements under 40 CFR Part 63 other than those address by Subpart A (General Provisions), Subpart N (Chromium Emissions from Hard and Decorative Chromium Electroplating, and Chromium Anodizing Tanks), and/or Subpart T (Halogenated Solvent Degreasing).									
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The facility has no emission units subject to NESHAP requirements under 40 CFR Part 61. The facility has no emission units subject to NESHAP requirements under 40 CFR Part 63 other than those address by Subpart A (General Provisions), Subpart N (Chromium Emissions from Hard and Decorative Chromium Electroplating, and Chromium Anodizing Tanks), and/or Subpart T (Halogenated Solvent Degreasing).									
The facility has no emission units subject to NESHAP requirements under 40 CFR Part 63 other than those address by Subpart A (General Provisions), Subpart N (Chromium Emissions from Hard and Decorative Chromium Electroplating, and Chromium Anodizing Tanks), and/or Subpart T (Halogenated Solvent Degreasing).									
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A (General Provisions), Subpart N (Chromium Emissions from Hard and Decorative Chromium Electroplating, and Chromium Anodizing Tanks), and/or Subpart T (Halogenated Solvent Degreasing).									
Chromium Anodizing Tanks), and/or Subpart T (Halogenated Solvent Degreasing).									
The facility has no emission units subject to any of the following subchapters of OAC 232.100.									
15 (Motor Vehicle Pollution Control Devices). 24 (Grain, Feed, or Seed Operations).									
13 (Motor Vehicle Polition Control Devices). 24 (Grain, Feed, of Seed Operations). 33 (Control of Emissions of Nitrogen Oxides).									
21 (Wood Burning Equipment). 35 (Control of Emissions of Carbon Monoxide).									
23 (Cotton Gins). 37 (Control of Emission of VOCs), Parts 3 &									
The facility has no emission units subject to any of the following Federal Regulations: 40 CFR Part 59, Part 82 (Subparts A									
B, and C) and Part 264.									
The facility has no steam generating units (boilers) rated greater than 10 MMBTUH.									
The facility has no volatile organic liquid storage tanks with capacity greater than 400 gallons.									
The facility does not use thermal devices (such as incinerators, flares, or thermal oxidizers) to control emissions of solvents									
TOXIC AIR CONTAMINANT EMISSION SOURCES (Applicable Rule: OAC 252:100-41, Part 5, Toxic Air Contaminants.)									
For Emissions Units that are not subject to 40 CFR, Parts 61 or 63. NOTE: Facilities seeking to construct or modify emiss									
units that are not exempted from Part 5 of OAC 252:100-41 are not eligible for an Authorization to Construct under the General Construction of									
Permit, and must obtain an individual Construction Permit.									
For the listed Emission Unit(s), estimated emissions of Toxic Air Contaminants have been evaluated and are Emission Unit(s)									
exempt from Part 5 of OAC 252:100-41, because:									
Emissions meet one of the criteria listed in OAC 252:100-41-43(a)(1) - (4).									
Emissions of all Toxic Air Contaminants are below de minimis levels listed in OAC 252:100-41-43(a)(5)									
(Compile toxics evaluation table to verify and submit with application), and									
Emissions of all Toxic Air Contaminants have impacts less than the Maximum Ambient Air Concentration									
(MAAC) per OAC 252:100-41-36. (Compile toxics evaluation table to verify and submit with application)									

TOXIC AIR CONTAMINANT EMISSIONS EVALUATION FORM

See Part 5 of OAC 252:100-41 - Toxic Air Contaminants

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¹Also cla	assified a	s a Ha	zardo	us Aiı	r Pol	lutant	t (HAI	P)? – Ans	wer	yes o	r no.									
${}^{2}NE = N$	ot evalua	ated; N	S = N	ot sul	bject					_										
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	ation (° (rth):				Fence			nce (f	eet):				Buildin	\ /			
Land Us			Urban			Rural	De	etermined	l By:			Lan	nd Us	e				Density		
									J				alysis			(Peopl				
Terrain:			Flat			S	Simple	;			Com							Complex		
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Example	e:																			

DEQ FORM # 100-701 REVISED 5/26/2000

toluene	V001	108-88-3	5,260	37,668

DEQ FORM # 100-701 REVISED 5/26/2000

SCREEN3 Guidance

AQD can perform the initial screening to estimate the impacts of toxic air contaminant emissions (the "Maximum Concentration," $\mu g/m^3$), if the facility provides the information requested on this form. The facility may also perform this analysis and submit the inputs and results. The following provides guidance on the model and model inputs.

A copy of the SCREEN3 program may be downloaded from EPA's Support Center for Regulatory Air Models (SCRAM) website: http://www.epa.gov/ttn/scram/

This program operates in a DOS environment. More detailed guidance may be obtained from the SCRAM website. Other (proprietary) Windows-based versions are also available from private vendors. EPA's DOS-based version uses strictly metric units, while some other versions accommodate both metric and English units. (This form requests most inputs in English units for ease of use.)

Four source types can be modeled with SCREEN3:

- Point sources generally have well defined stacks. However, a single rooftop vent or a vent on the side of a building may be modeled as point source. Note that for non-standard point sources with horizontal stacks or rain caps the velocity should be set to 0.001 m/s and the stack diameter should be set to 1 m.
- Flares are similar to point sources; however, the heat release is used to calculate plume rise.
- Area sources are ground-level or low-level sources, which initially disperse in two dimensions (fugitive emissions). Note that the program will ask for emissions over the area of the source (g/m^2s) .
- Volume sources are used to model emissions that initially disperse in three dimensions, such as a combination of vents on rooftops and fugitive emissions from pipes.

The model will request the following information for point sources:

- Title (up to 79 characters)
- Source type
- Emission rate (g/s)
- Stack height from ground-level (m) and inside diameter (m)
- Exit velocity (m/s) or flow rate (m³/s)
- Stack temperature (K)
- Ambient temperature (K), generally use 293 K
- Receptor height above ground (m), generally set to zero.
- Urban or Rural:
 - May be determined through land use or population density reference guidance documents from SCRAM web site or contact DEQ.
 - For population density, compute the average population density per square kilometer over an area circumscribed by circle with a 3-km radius from the source. If the population density is greater than 750 people/km, use the urban option.
- Building downwash (choose "yes")
- Building height (m), width (m), and length (m)
- Complex terrain (terrain above stack height)
- Simple terrain (terrain above stack base, not above stack height)
- Flat terrain
- For simple or flat terrain, automated distance array (choose "yes")
- Terrain height (m)
- Meteorology (always choose "full meteorology")
- Minimum and maximum distances for array (m) (may not exceed 50 km)
- Discrete receptors (for fence lines and sensitive areas)

The output from SCREEN3 is in μ g/m3 on a 1-hour basis. This result should be multiplied by 0.4 to obtain a 24-hour concentration for comparison to the MAAC from subchapter 41.

DEQ Form # 100-701 Revised 5/26/2000

CHROMIUM ELECTROPLATING & ANODIZING TANKS HALOGENATED SOLVENT CLEANING MACHINES

NOTIFICATION FORMS TO MEET REPORTING REQUIREMENTS UNDER 40 CFR PART 63, SUBPARTS N AND T

Fill out tables for chromium electroplating tanks and chromium anodizing tanks that are subject to 40 CFR Part 63, Subpart N, and halogenated solvent cleaning machines that are subject to 40 CFR Part 63, Subpart T. Submit the form(s) with the application for an Authorization to Construct, an Authorization to Operate, or an individual Construction or Operating Permit, as appropriate. Data submitted for construction permits should be a best estimate and can be modified following actual construction. List all items that apply (e.g., when using a packed-bed scrubber in conjunction with a composite mesh-pad system, list both "PBS" and "CMP"). See 40 CFR § 63.2 for a definition of "Reconstruction."

NOTICE OF CONSTRUCTION/RECONSTRUCTION

FOR CHROMIUM ELECTROPLATING AND ANODIZING TANKS

(Applicable Rule: 40 CFR Part 63, Subpart N) For Tanks with Initial Startup After 1/25/95.

Owner/C	perator/ Title										
Mailing	Address							_			-
City						Sta	te		Zi	p	
Facility 1	Name										
Street A											
(i.e., Phy	rsical Location)										
City						Sta	te		Zi	p	
Contact	Person			Ti	itle				Pl	none	
Facility 7	Гуре		Minor					Major			
Notificat	ion Type		New Cons	struction				Reconstruct	ion (see	lefinit	ion in 40 CFR § 63.2)
List All	Current Air Qual		Permit/Author	rization Numb	ers At 7	This Faci	lity				
Tank	Type of Tank		Exp	ected	Antic	ipated	Тур	e of Control	Contro		Estimated Total
ID#			Constr/Rec	constr Dates		itial	Tec	hnique to be	System		Chromium Emissions
			Beginning	Completion	Startu	p Date		Used ^{2,3}	ID#	Af	fter Control is Applied ⁴
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	of the following										
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	of the following			1115							
	P - Composite M					l Fo	DAM	- Foam Blank	et-type F	ıme S	unpressant
	- Packed-bed Sc							GT - Wetting			approssam.
FBME - Fiber-bed mist eliminator OTHER (Specify in attached description)											
	description and d			from vendor,	includi						,
											s estimates should be
expr	essed in units co	nsis	tent with the	emission limits	s in the	regulatio	n.				

DEQ FORM # 100-421 Revised 5/26/2000

NOTICE OF CONSTRUCTION/RECONSTRUCTION FOR CHROMIUM ELECTROPLATING AND ANODIZING TANKS (Continued)											
Reconstructed Sources											
Description of Source &											
Components to be replaced:											
Existing Control Technique:		Composite me	sh-pac	d (CMP)		Packed-bed scrubb	er	1	Wetting Agent		
						(PBS)					
Fiber-bed mist		am Blanket-type		Other (specif	y):						
eliminator	Fu	me Suppressant					_				
Current Emissions Limit						missions (specify					
(specify units):						ach calculations):					
There are no econor	mic or to	echnical limitation	ons to	prevent the sou	ırce	e from complying w	ith all r	elevant st	tandards or		
requirements.	1 1:	41		C	1	. ~	~4~				
Economic or technical feet the proposed recommendation								as or oun	er requirements		
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Cost of the Replacements.	Cost of the Replacements: Cost of Constructing of Source After										
Entirely New Source: Replacements											
Hard Chromium Electronl	ating F		irely l	New Source:			Repla	acements			
Hard Chromium Electropl Maximum Potential Cumulai		acilities					Repla	acements			
Maximum Potential Cumulat	tive Rec	acilities tifier Capacity (A	Ampe	res)	v be	ecause:	Repla	acements			
Maximum Potential Cumular The facility is a ☐ large or [tive Rec	acilities tifier Capacity (hard chromium	Ampe:	res)							
Maximum Potential Cumulat	tive Rec	acilities tifier Capacity (hard chromium tifier Capacity fo	Amperelectron	res) oplating facility facility's hard c	hro	mium electroplating	g tanks,	, calculate	ed as the sum of		
Maximum Potential Cumular The facility is a ☐ large or ☐	small ive Rec	acilities tifier Capacity (A hard chromium tifier Capacity for 1 x 8,400 hour/yi	Amperelectron the formula in the for	res) oplating facility facility's hard c	hro is g	omium electroplating	g tanks,	, calculate 0 million	ed as the sum of amp-hr/yr.		
Maximum Potential Cumular The facility is a ☐ large or ☐	small swall ive Recomperes	hard chromium tifier Capacity for Capacity for Capacity for x 8,400 hour/yr tifier Capacity for	Amperelectron the formula is a contract of th	res) coplating facility facility's hard c for each tank, facility's hard c	hro is g hro	omium electroplating greater than or equomium electroplating	g tanks, aal to 60 g tanks,	, calculate 0 million , calculate	ed as the sum of amp-hr/yr.		
Maximum Potential Cumular The facility is a ☐ large or ☐	small small ive Recumperes ive Recumperes	hard chromium tifier Capacity (control of the control of the capacity for	Amperelectron the formula of the for	res) coplating facility facility's hard c for each tank, facility's hard c for each tank,	hro is g hro is l	omium electroplating greater than or equomium electroplating ess than 60 million	g tanks, aal to 60 g tanks, amp-hi	, calculate 0 million , calculate r/yr.	ed as the sum of amp-hr/yr.		
Maximum Potential Cumular The facility is a large or Maximum Cumulat installed capacity (a Maximum Cumulat installed capacity (a Records show that t was less than 60 m	small small ive Recomperes ive Recomperes he facilition and	hard chromium tifier Capacity (a hard chromium tifier Capacity for a state of the capa	Ampe electron the formal the form	res) oplating facility facility's hard c facility's hard c facility's hard c facility's hard c for each tank, ch cumulative c	hro is g hro is l urro	omium electroplating greater than or equestion omium electroplating less than 60 million ent usage for the han	g tanks, all to 60 g tanks, amp-hi	, calculate 0 million , calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of ctroplating tanks		
Maximum Potential Cumular The facility is a large or Maximum Cumulat installed capacity (a Maximum Cumulat installed capacity (a Records show that t was less than 60 mm The facility wishes	small ive Recomperes ive Recomperes he facil illion and to accept	hard chromium tifier Capacity (and chromium tifier Capacity for a state of the capacit	Amperelectron the force a control of the forc	res) oplating facility facility's hard c for each tank, facility's hard c for each tank, ch cumulative cubble limit of less	hro is g hro is l urro	omium electroplating greater than or equomium electroplating less than 60 million ent usage for the har	g tanks, all to 60 g tanks, amp-hi	, calculate 0 million , calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of ctroplating tanks		
Maximum Potential Cumular The facility is a large or Maximum Cumulat installed capacity (a Maximum Cumulat installed capacity (a Records show that t was less than 60 m	small ive Recomperes ive Recomperes he facil illion and to accept	hard chromium tifier Capacity (and chromium tifier Capacity for a state of the capacit	Amperelectron the force a control of the forc	res) oplating facility facility's hard c for each tank, facility's hard c for each tank, ch cumulative cubble limit of less	hro is g hro is l urro	omium electroplating greater than or equomium electroplating less than 60 million ent usage for the har	g tanks, all to 60 g tanks, amp-hi	, calculate 0 million , calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of ctroplating tanks		
Maximum Potential Cumular The facility is a large or Maximum Cumulat installed capacity (a Maximum Cumulat installed capacity (a Records show that t was less than 60 m The facility wishes potential rectifier ca	small ive Recommeres ive Recommeres he facilition and to accept apacity on has be	hard chromium tifier Capacity (a hard chromium tifier Capacity for a k,400 hour/yr tifier Capacity for a k,400 hour/yr tity's previous 12 hp-hr/yr. The a Federally-ent of the hard chromen submitted as r	Amperelectron the force and th	res) oplating facility facility's hard c for each tank, facility's hard c for each tank, th cumulative could take the country of the country	hro is g hro is I urro s th	omium electroplating greater than or equipmium electroplating less than 60 million ent usage for the hand an 60 million amp-less.	g tanks, all to 60 g tanks, amp-hird chror	calculate 0 million calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of etroplating tanks imum cumulative		
Maximum Potential Cumular The facility is a large or Maximum Cumulat installed capacity (a Maximum Cumulat installed capacity (a Records show that the was less than 60 mm The facility wishes potential rectifier careasonable inquiry, I certify the	small ive Recommeres ive Recommeres he facilition and to accept apacity on has be	hard chromium tifier Capacity (a hard chromium tifier Capacity for a k,400 hour/yr tifier Capacity for a k,400 hour/yr tity's previous 12 hp-hr/yr. The a Federally-ent of the hard chromen submitted as r	Amperelectron the force and th	res) oplating facility facility's hard c for each tank, facility's hard c for each tank, th cumulative could take the country of the country	hro is g hro is I urro s th	omium electroplating greater than or equipmium electroplating less than 60 million ent usage for the hand an 60 million amp-less.	g tanks, all to 60 g tanks, amp-hird chror	calculate 0 million calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of etroplating tanks imum cumulative		
Maximum Potential Cumular The facility is a large or Maximum Cumulat	small ive Recommeres ive Recommeres he facil illion and to accept apacity on has be	hard chromium tifier Capacity (a hard chromium tifier Capacity for a k,400 hour/yr tifier Capacity for a k,400 hour/yr tity's previous 12 hp-hr/yr. The a Federally-ent of the hard chromen submitted as r	Amperelectron the force and th	res) oplating facility facility's hard c for each tank, facility's hard c for each tank, th cumulative could take the country of the country	hro is g hro is I urro s th	omium electroplating greater than or equipmium electroplating less than 60 million ent usage for the hand an 60 million amp-less.	g tanks, all to 60 g tanks, amp-hird chror	calculate 0 million calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of etroplating tanks imum cumulative		
Maximum Potential Cumular The facility is a large or Maximum Cumulat installed capacity (a Maximum Cumulat installed capacity (a Records show that the was less than 60 mm The facility wishes potential rectifier careasonable inquiry, I certify the	small ive Recommeres ive Recommeres he facil illion and to accept apacity on has be	hard chromium tifier Capacity (a hard chromium tifier Capacity for a k,400 hour/yr tifier Capacity for a k,400 hour/yr tity's previous 12 hp-hr/yr. The a Federally-ent of the hard chromen submitted as r	Amperelectron the force and th	res) oplating facility facility's hard c for each tank, facility's hard c for each tank, th cumulative could take the country of the country	hro is g hro is I urro s th	omium electroplating greater than or equipmium electroplating less than 60 million ent usage for the hand an 60 million amp-less.	g tanks, all to 60 g tanks, amp-hird chror	calculate 0 million calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of etroplating tanks imum cumulative		
Maximum Potential Cumular The facility is a large or Maximum Cumulat	small ive Recommeres ive Recommeres he facil illion and to accept apacity on has be	hard chromium tifier Capacity (a hard chromium tifier Capacity for a k,400 hour/yr tifier Capacity for a k,400 hour/yr tity's previous 12 hp-hr/yr. The a Federally-ent of the hard chromen submitted as r	Amperelectron the force and th	res) oplating facility facility's hard c for each tank, facility's hard c for each tank, th cumulative could take the country of the country	hro is g hro is I urro s th	omium electroplating greater than or equomium electroplating ess than 60 million ent usage for the hand an 60 million amples. 345. Based on informals notification are true.	g tanks, all to 60 g tanks, amp-hird chror	calculate 0 million calculate r/yr. mium elec	ed as the sum of amp-hr/yr. ed as the sum of etroplating tanks imum cumulative		

DEQ FORM # 100-421 REVISED 5/26/2000

INITIAL NOTIFICATION

FOR NEW CHROMIUM ELECTROPLATING AND ANODIZING TANKS

(Applicable Rule: 40 CFR Part 63, Subpart N) For Tanks with Initial Startup After 1/25/95.

Owner/Opera	tor/ Title												
Mailing Add	ress						-		_				
City							State				Zip		
Facility Name	e												
Street Address	SS												
(i.e., Physical	Location)						•						
City							State				Zip		
Contact Perso	on		_		Title						Phone		
Facility Type			Minor						Major				
List All Curro	ent Air Qualit	ty Pe	ermit/Authorizatio	n Nu	ımbers A	t This	Facility						
Tank ID#			Type of Tank				Cons	strı	uction/Reco	nstructio	n Dates		Actual Startup
				I	3eg	gan	Con	npleted		Date			
Certification:	This notificat	tion l	has been submitted	as re	equired by	y 40 C	FR § 63	347	7. Based on	informat	ion and l	oeli	ef formed after
		tha	t the statements an	d inf	ormation	contai	ined in th	is 1	notification	are true,	accurate	, ar	nd complete.
Responsible O	fficial												
(signature)													
Responsible O	fficial (typed)									Date			
Responsible O	nsible Official Title									Phon	ie		

INITIAL NOTIFICATION

FOR EXISTING CHROMIUM ELECTROPLATING AND ANODIZING TANKS

(Applicable Rule: 40 CFR Part 63, Subpart N) For Tanks with Initial Startup <u>Prior to 1/25/95</u>

	Operator/ Title											
	g Address											
City					State		Zi	p				
Facility												
Street A												
	ysical Location)				Ct. t		7.					
City	. D			.,1	State		Zi	•				
	Person	Minor	11	itle		Major	Ph	none	L			
Facility												
List All Current Air Quality Permit/Authorization Numbers At This Facility Tank Type of Tank Startup Total Description of Control Applicable Company Total Description of Control Tank Control Contro												
Tank Type of Tank Startup Total Description of Parts Plated Control Technique Applicable Emissions Limit Comp												
ID#		Date	Rectifier	Pa	iris Piaieu	rechnique	(Specify Units)					
			Capacity				(Spe	city C	Jiiits)			
			(Amperes)									
			(rumperes)									
HADE DE DE CH ² Use or CM PB FB ³ See 40	ne of the following ARD CHROM - Has CHEX - Decoration CTRI/WA - Decoration CTRI - Decoration CTRI - Decoration CTRI - Decoration CTRI - COMPANION - Classification CTRI - Composite Model S - Packed-bed Scher S - Fiber-bed model CFR § 63.343 or	ard Chromium E ve Chromium E orative Chromium e Chromium Ele nromium Anodiz codes: esh-pad rubber ist eliminator DEQ Fact Sheet	lectroplating, um Electroplating ectroplating, us zing	g, using ing Tri	g Trivalent Ch valent Chromi FOAM WET A OTHE	romium Bath <u>wi</u> um Bath <u>without</u> - Foam Blanket AGT - Wetting A R (Specify and a	Wettin type Fugent ttach de	g Age	nt uppressa	int		
	Chromium Electro											
	um Potential Cum											
The fac	he facility is a all large or small hard chromium electroplating facility because: Maximum Cumulative Rectifier Capacity for the facility's hard chromium electroplating tanks, calculated as the sum of installed capacity (amperes) x 8,400 hour/yr x 0.7 for each tank, is greater than or equal to 60 million amp-hr/yr. Maximum Cumulative Rectifier Capacity for the facility's hard chromium electroplating tanks, calculated as the sum of installed capacity (amperes) x 8,400 hour/yr x 0.7 for each tank, is less than 60 million amp-hr/yr. Records show that the facility's previous 12-month cumulative current usage for the hard chromium electroplating tanks was less than 60 million amp-hr/yr.											
	ation: This notifica		-	•	· ·							
	ble inquiry, I certif	y that the statem	ents and inform	ation c	ontained in this	notification are t	rue, acc	eurate,	and con	iplete.		
(signatu	sible Official re)											
	sible Official (typed)						Date					
	sible Official Title						Phone					

DEQ FORM # 100-423

REVISED 5/26/2000

NOTIFICATION OF COMPLIANCE STATUS

FOR CHROMIUM ELECTROPLATING AND ANODIZING TANKS

(Applicable Rule: 40 CFR Part 63, Subpart N) For New and Existing Tanks

	perator/ Title						
Mailing A	Address			Ct. t		7:	
City				State		Zip	
Facility No.							
	ical Location)						
City	icai Location)			State		Zip	
Contact Po	erson		Title	State		Phone	
Facility T		Minor	11110		Major	Thone	
		uality Permit/Author	rization Number(s)			
	• •	as completed, and h			intenance plan as	required by the wo	ork practice
	ards in 40 CFR		, 1		1	1 3	1
Tank ID#	Type of Tank ¹	Applicable Emissions Limit	Control Technique ²	Control System ID#	Method to Determine Compliance ³	Test Method Followed	Type and Quantity of HAP Emitted ^{4,5}
HARI DEC 1 DEC 2 DEC 2 CHRO 2Use one of CMP PBS - FBMI 3If a perfo 4If the con	HEX - Decorative TRI/WA - Decorative TRI - Decorative OM ANOD - Choof the following - Composite Medical Packed-bed Scient E - Fiber-bed minutes or mance test was	ard Chromium Electron Chromium Electron	roplating, using He lectroplating, using oplating, using Triv	g Trivalent C valent Chrom FOAN WET OTHI taining the el	thromium Bath without M - Foam Blanket- AGT - Wetting A ER (Specify and at ements required by	-type Fume Suppregent ttach description) y 40 CFR § 63.344	4(a).
		cts or verifies pre instruction provision			stimates (for owner	r/operator subject	to the
Control			Specific Operating				
System II	D#	Pressure D	rop Velocit	ty Pressure	Surface Tens	ion Foam Bl	anket Thickness
					+		
63, Subpa	art N, attach a de	ing and reporting recessions. Parameter at or below the level	er value ranges are	established			

DEQ Form # 100-424 Revised 5/26/2000

NOTIFICATION OF COMPLIANCE STATUS FOR CHROMIUM ELECTROPLATING AND ANODIZING TANKS (Continued)										
Hard Chromium Electrople	ating Facilities									
The facility is a large or	small hard chromium electroplating facility because:									
☐ Maximum Cumulat	ve Rectifier Capacity for the facility's hard chromium electroplating tanks, calculated as the sum of									
installed capacity (a	mperes) x 8,400 hour/yr x 0.7 for each tank, is greater than or equal to 60 million amp-hr/yr.									
☐ Maximum Cumulat	ve Rectifier Capacity for the facility's hard chromium electroplating tanks, calculated as the sum of									
installed capacity (a	mperes) x 8,400 hour/yr x 0.7 for each tank, is less than 60 million amp-hr/yr.									
☐ Records show that t	he facility's previous 12-month cumulative current usage for the hard chromium electroplating tanks									
was less than 60 mi	llion amp-hr/yr. [Submit records that support this usage for any 12-month preceding the compliance									
date, or submit a de	scription of how operations will change to meet the rectifier capacity limit. For new sources, provide									
the projected rectific	er capacity for the first 12-month period of tank operation.]									
☐ The facility has acco	epted or will accept a Federally-enforceable limit of less than 60 million amp-hr/yr on the maximum									
cumulative potentia	I rectifier capacity of the hard chromium electroplating tanks.									
All Chromium Electroplati	ng/Anodizing Facilities (Check the box that applies):									
The facility is in complia	ance with the provisions of 40 CFR Part 63, Subpart N.									
The facility is not in con	repliance with the provisions of 40 CFR Part 63, Subpart N.									
Certification: This notification	has been submitted as required by 40 CFR § 63.347. Based on information and belief formed after									
reasonable inquiry, I certify the	nat the statements and information contained in this notification are true, accurate, and complete.									
Responsible Official										
(signature)										
Responsible Official (typed)	Date									
Responsible Official Title	Phone									

DEQ FORM # 100-424 REVISED 5/26/2000

INITIAL NOTIFICATION

FOR NEW & EXISTING HALOGENATED SOLVENT CLEANING MACHINES

(Applicable Rule: 40 CFR Part 63, Subpart T)

	erator/ Title										
Mailing A	ddress					~			1	-	
City						Sta	te		Zip		
Facility Na											
Street Add											
	cal Location)					Sta	40		Zip		
City Contact Pe	and an				Title	Su	ite		Phone		
Facility Ty		1	Minor		Title			Major	Phone		
Notification	•		New Const	truction					(saa dafin	ition i	n 40 CFR § 63.2)
	arrent Air Qual	ity Do			umbara At Tl	ic Foo	lity	Reconstruction	(see defin	111011 1	1140 CFR § 03.2)
Machine	Machine Ty	_	Solv		Expect		_	Anticipated /	Solver	nt/Air	Estimated
ID#	Wiaciniic 1	урс	Solv	CIII	Constr / R			Actual	Solvent/Air Interface		Annual Solvent
ID#					Beginning	_	npletion		1		Consumption
					2488			Date ²	(Sq.		(Pounds/Year)
150 1			0.1	2 11 .	1						
Machine	machine, use or	ne or n	nore of the f	following	codes in the			lumns:			
	<u>: 1 ype</u> MM - Batch Co	old	B.VAPOR	- Ratch V	anor		lvent Methyli	ene Chloride	111TRI	. 1 1 1	-Trichloroethane
Immer		oiu	COLD IL					nloroethylene			n Tetrachloride
	RemR - Batch (Cold	VAPOR II					oroethylene	CLF - Cl		
	te Reservoir	- 0 - 0.	CON WEE								
Use "(OTHER" if non	ne of th				tached	descrip	tion).			
		thos	e that comm	nenced cor	nstruction on	or bef	ore 11/2	29/93), use actua	l startup d	ate or	"<11/29/93" or
	>11/29/93"										
Machine		(Control Tec		l		Existin	ng or Planned?	Anti		d Compliance
ID#			(List All th	at Apply)						App	oroach ¹
¹For each ı	machine, use or	ne or r	nore of the t	following	codes in the	appror	riate co	lumns:			
Control Te						P P I		Compliance	Approach	1	
	Freeboard Ratio	≥1.0		SH VAP	OR - Super-	Heated	Vapor				ent Standard (+
FR=0.75 -	Freeboard Rati	io ≥0.7	75	Wk COV	/ER - Worki	ng-Mo	de		rk Practic		
WATER – Water Layer (≥1") Cover IDLING EmS - Idling Emission Standard (+											
	eeboard Refrig		n Device		R - Idle-Mod	le Cov	er		rk Practic		
	duced Room Di			DWELL				ALT STD -	Alternativ	e Stan	dard
CARB AD	- Carbon Ads	orber			ork Practices	8					
C4:64:	TELL *	<i>,</i> ,	, ,	NONE -		CED	(2.460	D 1 : 6		1 11 6	C 1 C
								Based on inform otification are true			
Responsible		y mat	the statemen	nts and iiii	oi mation con	tamed	111 VIIIS II	ouncation are tr	ic, accurat	c, and	complete.
(signature)	- Ciriolai										
	e Official (typed)							D	ate		
	Official Title							none			

DEQ Form # 100-431 Revised 5/26/2000

COMPLIANCE REPORT

FOR NEW & EXISTING BATCH COLD HALOGENATED SOLVENT CLEANING MACHINES

(Applicable Rule: 40 CFR Part 63, Subpart T)

		ALOGENATED SOLVEN R Part 63, Subpart T)	NT CLEANING	MACH	HINES					
Owner/Operato		X Fait 05, Subpart 1)								
Mailing Address										
City	55				State		Zi	n		
Facility Name					State	<u> </u>	Li	P	l	
Street Address										
(i.e., Physical I	ocation)									
City					State		Zi	р		
Contact Person			Title				Ph	none		
List All Applic	able Air Q	uality Permit/Authoriz	ation Number	(s)						
Machine ID#		Machine Ty	ype¹		Com	pliance Status ¹		Comp	oliance Approach1	
		e following codes in the								
Machine Type:		h Cold Immersion; or					arr n		0.1 · T	
Compliance Sta		ompliance - The machi							-	
G 1: 4		In Compliance - The m					s of 40	CFR I	Part 63, Subpart 1.	
Compliance Ap		COVER & WATER -	_			• \				
		COVER, FR=0.75 & V								
II "OTHER"		COVER & WP - Work	_			,	note Re	servon	r Machines)	
		the choices apply (and	<u> </u>			/				
		tion has been submitted								1
Responsible Offi		y that the statements an	ia information	contail	nea in this	notification are t	rue, acc	curate,	and complete.	
(signature)	Cial									
	: 1.6. 1					1	D (1		
Responsible Offi							Date			
Responsible OIII	cial lille						Phone	ı		

DEQ Form # 100-432 Revised 5/26/2000

INITIAL STATEMENT OF COMPLIANCE

FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES

New & Existing Machines Complying with the **Equipment Standard** (40 CFR § 63.463) (Applicable Rule: 40 CFR Part 63, Subpart T)

Owner/Operator/	Γitle											
Mailing Address												
City						State					Zip	
Facility Name												
Street Address												
(i.e., Physical Loc	ation)											
City						State					Zip	
Contact Person					Title	-					Phone	
List All Applicabl												
Control	Ma	chine ID#1	Contro	ol E	quipment ²	Machin	ne T	ype ²	Comp	olia	nce Status ²	Compliance
Equipment ID#												Approach ²
¹ For each piece of	contro	Leguinment list	the ID)# fo	r each mach	ine for whi	ich it	provid	es treat	tme	ent	
² For each piece of										tille	111.	
Machine Type:		ch Vapor; or In-		110		wpproj	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Control Equipm												
FR=1.0 - Free	board I	Ratio ≥1.0			Wk COVE	R - Workin	g-M	ode Co	ver	DA	WELL - Dwe	ell
		efrigeration Dev	vice		CARB AD	- Carbon A	Adsoi	rber		RF	RD - Reduced	d Room Draft
SH VAPOR -												
Compliance Star		In Compliance -										
_		Not In Complian	nce - T	he r	machine is n	ot in compl	lianc	e with t	he pro	visi	ons of 40 CF	FR Part 63, Subpart
T.		0 10 1	. ,.		T.11. E							
Compliance App												
Idling Emissi	on Lim	it Test Report, p	er 40 C	∠FK	§ 63.468(a)	(6), attache	ea.					
Use "OTHER" if	none of	the choices ann	lv (and	1 spe	ecify in attac	hed descrir	otion)				
Control		ontrol Equipmen		* op •		sured Paran					Compliance	Parameter Value
Equipment ID#		1 1									1	
	Free	board Refrigera	tion		Temperatui	e at the cer	nter o	of the ai	ir I		\leq 30% of th	e solvent boiling
	Dev	ice			blanket wh	ile idling.					point.	S
	Woı	king- & Idling-			Use, function	on, and inte	egrity	y.	I			closes properly.
	Mod	le Cover									Closed exce	ept during parts entry
											& removal.	
											Closes com	
										J		eks, holes, or other
	D	-11		_	D 1 . C.		. 1 1	1.1 : 41	_	_	defects.	C 1 C-11
	Dwe	211			Period of ti				•	┙		for each of the parts
		solvent cleaning									kets cleaned, or using the most	
			above the vapor zone af cleaned.				ocing		_		rt type of parts	
	cleaned.									baskets clea		
	Sun	er-Heated Vapor	r		Temperatui	e at the cer	nter (of the				F above the solvent's
	Syst				super-heate						boiling poin	
					idling.					_		
		·										

DEQ FORM # 100-433 REVISED 5/26/2000

				VAPOR OR IN-LINE HALOGENATED SO uipment Standard (Continued).	LVENT	CLEANING MACHINES for	
Control Equipment ID#		rol Equipment	СЕЧ	Measured Parameter	Co	ompliance Parameter Value	
	Reduced Room Draft		□ Windspeed Room parameters (e.g., enclosure*): 1 2 3 4		□ ≤ 15.2 meters per minute (50 feet per minute) 1 2 3 4		
*If a full or monitorin	-	nclosure is used to	achi	eve the reduced room draft for your clea	aning m	achine, attach the initial	
	Carbon	Adsorber		Working mode exhaust halogenated solvent concentration (attach weekly measurement records of the exhaust concentration).	□ ≤	100 ppm	
	Other (specify)					
•		•		s of 40 CFR Part 63, Subpart T.			
The facility is n	ot in con	npliance with the p	provi	sions of 40 CFR Part 63, Subpart T.			
				required by 40 CFR § 63.468(d). Based of formation contained in this notification at			
Responsible Official (signature)	•					•	
Responsible Official (• •				Date		
Responsible Official 7	itle				Phone		

DEQ FORM # 100-433 REVISED 5/26/2000

INITIAL STATEMENT OF COMPLIANCE

FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES

New & Existing Machines Complying with the **Alternative Standard** (40 CFR § 63.464) (Applicable Rule: 40 CFR Part 63, Subpart T)

Owner/Operator/	Title								
Mailing Address									
City				State		Zip)		
Facility Name									
Street Address									
(i.e., Physical Lo	cation)			_					
City				State		Zij			
Contact Person			Title			Ph	one		
List All Applicab	le Air Qu	ality Permit/Author	ization Number(s)						
Machine ID#	N	Iachine Type ¹	Solvent/Air Inter	face ²	Cleaning (Capacity ²	Fi	rst 3-Month Average	
			(m ² or in ²)		$(m^3 \text{ or } ft^3)$			Emissions ³	
							(1	kg or lbs per month)	
			Batch Vapor or In-L						
							cubic	feet), if the machine	
		,	attach calculation m	ethod an	id results). Indi	icate units.			
³ Indicate units, ar			-i-i		-1				
	The facility is in compliance with the provisions of 40 CFR Part 63, Subpart T.								
The facility i	s not in co	ompliance with the	provisions of 40 CF	R Part 6.	3, Subpart T.				
Certification: Thi	s notificat	ion has been submitt	ed as required by 40	CFR § 6.	3.468(e). Based	on informatio	on and	belief formed after	
		that the statements	and information cont	ained in	this notification	are true, acc	urate,	and complete.	
Responsible Officia	al								
(signature)									
Responsible Officia	al (typed)					Date			
Responsible Officia	al Title					Phone			

DEQ FORM # 100-434 REVISED 5/26/2000

ANNUAL REPORT

FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES

Machines Complying with the **Equipment Standard** (40 CFR § 63.463) (Applicable Rule: 40 CFR Part 63, Subpart T)

Owner/Operator/ Title						
Mailing Address						
City			State		Zip	
Facility Name						
Street Address						
(i.e., Physical Location)						
City			State		Zip	
Contact Person		Title			Phone	
List All Applicable Air Q	Quality Permit/Authorizati	on Number(s)				
Reporting Period	Beginning Date:			Ending Date:		
	ent cleaning machines have				solvent cle	eaning machines and
their control devices	sufficient to pass the test	required in 40	CFR § 63.46	3(d)(10).		
Machine ID# Machine Type ¹ Estimated Solvent Consumption during the Reporti						the Reporting Period
Machine ID#	wiaciiile Typ	ie-	Estimated			
iviaciiile 1D#	масине тур	ie-	Estimated	(Indicate kg		
Machine 119#	масише тур)e-	Estillated			
Machine 1D#	Machine Typ	le.	Estimated			
Machine 1D#	wacmie Typ	le.	Estimated			
Machine 1D#	Machine Typ	ic -	Estimated			
Machine 1D#	Machine Typ	le -	Estimated			
				(Indicate kg	z/yr or lb/y	/r)
Certification: This notification:	ation has been submitted as	s required by 4	0 CFR § 63.468	(Indicate kg	g/yr or lb/y	belief formed after
Certification: This notificate reasonable inquiry, I certification:		s required by 4	0 CFR § 63.468	(Indicate kg	g/yr or lb/y	belief formed after
Certification: This notifica reasonable inquiry, I certification: Responsible Official	ation has been submitted as	s required by 4	0 CFR § 63.468	(Indicate kg	g/yr or lb/y	belief formed after
Certification: This notificate reasonable inquiry, I certification:	ation has been submitted as	s required by 4	0 CFR § 63.468	(Indicate kg	g/yr or lb/y	belief formed after
Certification: This notifica reasonable inquiry, I certification: Responsible Official	ation has been submitted as fy that the statements and i	s required by 4	0 CFR § 63.468	(Indicate kg	nation and	belief formed after

DEQ FORM # 100-435 REVISED 5/26/2000

ANNUAL SOLVENT EMISSIONS REPORT

FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES

Machines Complying with the **Alternative Standard** (40 CFR § 63.464) (Applicable Rule: 40 CFR Part 63, Subpart T)

Owner/Opera	ton/ Title									
Mailing Addr										
	ess					Ct t		7.		
City						State		Zi	p	
Facility Name										
Street Addres										
(i.e., Physical	Location)					1	_		-	
City						State		Zi		
Contact Perso					itle			Ph	one	
List All Appli				zation Nu	umber(s)					
Reporting Per	riod	Beginning I	Date:				Ending Dat	te:		
Machine	Ma	ichine Type ¹			N	1achine S	Size ²		Average	e Monthly Solvent
ID#				Solven	t/Air Interfa	ace Cleaning Capacity				onsumption ³
					n ² or in ²)		(m³ or ft³)			g per month)
				`			,			
¹ For each mac	chine indica	te Machine T	Type ac B	latch Var	or or In-Li	10				
							nacity (in cubic n	neters or	cubic fee	et), if the machine
							results). Indicate		cubic ice	ot), if the machine
³ Indicate units			· ·	ittacii car	culation inc	inou unu :	resurts). Indicate	diffts.		
Month			-Month F	Polling	Month	lv/ 3	-Month Rolling	Mo	onthly	3-Month Rolling
Month		lvent	Avera	_	Solver		Average		lvent	Average
		ssions 1	Emissio		Emission		Emissions ²		ssions 1	Emissions ²
Machine ID#		3310113	Lillissic	0113	Lillission	.10	Lillissions		5510115	Lillissions
Macilille 1D#										
	\rightarrow									
1	\rightarrow							_		
1 2	<i>→</i>									
1 2 3	<i>→</i> [-		
1 2 3 4	<i>→</i>				_					
1 2 3 4 5	→ I									
1 2 3 4 5 6	→ I									
1 2 3 4 5 6 7	→ I									
1 2 3 4 5 6 7 8	→ I									
1 2 3 4 5 6 7 8	→ I									
1 2 3 4 5 6 7 8 9										
1 2 3 4 5 6 7 8 9 10										
1 2 3 4 5 6 7 8 9 10 11										
1 2 3 4 5 6 7 8 9 10 11 12	ssions (speci						- 40 CFR § 63.46			
1 2 3 4 5 6 7 8 9 10 11 12 'Solvent Emis ² 3-Month Rol	ssions (speci	e Solvent Em	nissions (specify k	g or lbs per	month),	calculated per 40	CFR §		
1 2 3 4 5 6 7 8 9 10 11 12 'Solvent Emis ² 3-Month Rol	ssions (speci	e Solvent Em	nissions (specify k	g or lbs per	month),		CFR §		
1 2 3 4 5 6 7 8 9 10 11 12 Solvent Emis 23-Month Rol Certification: reasonable inq	ssions (speci ling Averag This notifica quiry, I certif	e Solvent Em tion has been	nissions (s submitte	specify k d as requ	g or lbs per ired by 40 C	month), 6	calculated per 40	CFR § (on and be	lief formed after
1 2 3 4 5 6 7 8 9 10 11 12 Solvent Emis 23-Month Rol Certification: reasonable ing Responsible Of	ssions (speci ling Averag This notifica quiry, I certif	e Solvent Em tion has been	nissions (s submitte	specify k d as requ	g or lbs per ired by 40 C	month), 6	calculated per 40 68(g). Based on in	CFR § (on and be	lief formed after
1 2 3 4 5 6 7 8 9 10 11 12 Solvent Emis 23-Month Rol Certification: reasonable inq	ssions (speci ling Averag This notifica quiry, I certif	e Solvent Em tion has been	nissions (s submitte	specify k d as requ	g or lbs per ired by 40 C	month), 6	calculated per 40 68(g). Based on in	CFR § (on and be	lief formed after
1 2 3 4 5 6 7 8 9 10 11 12 Solvent Emis 23-Month Rol Certification: reasonable ing Responsible Of	ssions (speciling Average This notifical	e Solvent Em tion has been y that the stat	nissions (s submitte	specify k d as requ	g or lbs per ired by 40 C	month), 6	calculated per 40 68(g). Based on in is notification are	CFR § (on and be	lief formed after
1 2 3 4 5 6 7 8 9 10 11 12 ¹Solvent Emis ²3-Month Rol Certification: reasonable inq Responsible Of (signature)	ssions (speciling Averag This notifica quiry, I certif fficial	e Solvent Em tion has been y that the stat	nissions (s submitte	specify k d as requ	g or lbs per ired by 40 C	month), 6	calculated per 40 168(g). Based on it is notification are	CFR § (nformati true, acc	on and be	lief formed after

DEQ FORM # 100-436 REVISED 5/26/2000

EXCEEDANCE REPORT

FOR BATCH VAPOR OR IN-LINE HALOGENATED SOLVENT CLEANING MACHINES

Machines Complying With Either the **Equipment Standard** or the **Alternative Standard** (Applicable Rule: 40 CFR Part 63, Subpart T)

Owner/Opera	ator/ Title													
Mailing Add	ress													
City						State			Zip					
Facility Nam	e													
Street Addres	SS													
(i.e., Physica	l Location)													
City						State			Zip					
Contact Perso	on			Title					Phone					
List All Appl	licable Air Q	uality Permit/Au	thoriz	zation Number((s)									
D 4:	Semiannua	iannual Reporting January – June (Due July 30)						July – December (Due December 30)						
Reporting	Reporting		Jan – Mar		Apr – Ju	ın	Jul – Sep	Dec						
Period	Other Reporting Period Beginning Date:						Ending Da	ate:						
Machin		<u> </u>		Machine Typ	ne¹					eedar	nce Occ	urred		
1714011111	0 15 //			macmic 1	P						ting Pe			
¹For each machin	ne, indicate Mac	hine Type as Batch	Vapor o	or In-Line.										
² For each machin	ne, indicate eith	er "Yes," followed b	y the m	umber of exceedance				fachine Inoperation	ative."					
		es on Page 2 of this f												
		parameter occui								inoper	rative, o	out of		
control		adjusted during										_		
		of Exceedance(s), (Inc	cluding Regulat				aken², and I	Results	of Ac	tions			
Machine ID#	! :				Da	ite of Occi	irrence:							
Exceedance:								Cite:						
Reason for th	ne													
Exceedance:														
Actions Take	en:													
14 1: ID#	,				Б									
Machine ID#	:				Da	ite of Occi	irrence:	G.,						
Exceedance:								Cite:						
Reason for th	ne													
Exceedance:														
Actions Take	511.													
Under "Cite" li	st the section (a	nd subsection, paragr	ranh ci	ihnaragranh etc ac	annlie	able) of the r	aquirament	in 40 CEP Sub	nart T th	of was	not met			
		cription of actions ta										eplacement		
		rs made, and addition				onstrate that i	nonitored p	arameters have	returned	d to acc	epted lev	els. If an		
		de actions taken in re	-			D 2	C.1.: C	A 11 11:	1 .	CD	2			
		nformation as necess												
		tion has been sub y that the statem												
Responsible O	fficial													
(signature)														
Responsible O								Date						
Responsible O	fficial Title	Phone												

Machine ID#	Machine Type ¹	Has an Exceedance Occurred During the Reporting Period? ²
		. 8
For each machine, indicate	Machine Type as Batch Vapor or In-Line.	
For each machine, indicate	either "Yes," followed by the number of exceedances, or "No Exceedances."	
	Description of Exceedance, Actions Taken and Results of Acti	ions (Continued)
Machine ID#:	Date of Occurrence:	
Exceedance:		Cite:
Reason for the		
Exceedance:		
Actions Taken:		
··		
Machine ID#:	Date of Occurrence:	C'.
Exceedance:		Cite:
Reason for the		
Exceedance:		
Actions Taken:		
	D	
Machine ID#:	Date of Occurrence:	a:
Exceedance:		Cite:
Reason for the		
Exceedance:		
Actions Taken:		
Machine ID#:	Date of Occurrence:	
Exceedance:	Date of Occurrence.	Cite:
Reason for the		Cite.
Exceedance:		
Actions Taken:		
Actions Taken.		
Machine ID#:	Date of Occurrence:	
Exceedance:	Date of Occurrence.	Cite:
Reason for the		Citc.
Exceedance:		
Actions Taken:		
retions taken.		