

CHROMIUM ELECTROPLATING/ANODIZING



COMPLIANCE INSPECTION CHECKLIST

	NNUAL (INS1, INS2) E-INSPECTION (FUI)	COMPLAINT/D ARMS COMPLA	ISCOVERY (CI)		
AIRS ID#: 1030306 DATE: 4/13/12 ARRIVE: 10:30 DEPART: 12;15					
FACILITY NAME: FREEDOM METAL FINISHING					
FACILITY LOCATION: 5095 113TH AVE N					
	CLEARWATER 3	33760-4834			
OWNER/AUTHORIZED REPRESENTATIVE: KEITH EIDSCHUN Email: CONTACT NAME: Email: ENTITLEMENT PERIOD: 5/29/2010 / 5/29/2015 (effective date) (end date) PHONE: (727)573-2464 Mobile: PHONE: Mobile:					
TARE ENGINEERING		~			
PART I: INSPECTION COMPLIANCE STATUS (check ✓ only one box) ☐ IN COMPLIANCE ☐ MINOR Non-COMPLIANCE ☐ SIGNIFICANT Non-COMPLIANCE					
PART II: CLASSIFICATION – Rule 62-213.300 FAC Facility type(s)/applicable standard as indicated on notification form: 1. Hard Chromium Plating a. Existing Large (0.015 mg/dscm)					
0. <u>11611</u> (0.015 mg/d5		(0.03 mg/dscm) using			
2. <u>Decorative Chromium Plating/Anodizing</u>					
a. <u>Chromic Acid</u> <u>Bat</u>	2) Surfa	sions of $\leq 0.01/\text{mg/dscm}$ (asce tension of ≤ 45 dynes/or y only be selected if a wett	em (3.1x10 ⁻³ lb-f/ft)		
b. <u>Trivalent</u> <u>Chromi</u>		wetting agentout wetting agent $\leq 0.01 \text{mg}$			
c. <u>Chromium Anodi</u>		sions of ≤ 0.01 mg/dscm (4) the tension of 45 dynes/cm by only be selected if a wetth			

PART III: CONTROL TECHNOLOGY - Rule 62-213.300 FAC	
(6.1, 4., 4., 4., 1.	
(<u>Select control</u> device)	DEVICE IN USE?
<u>device</u>)	DEVICE IN USE:
1. Composite Mesh Pad	∏Yes ∏No
2. Fiber Bed Mist Eliminator	☐Yes ☐No
3. Packed Bed Scrubber	☐Yes ☐No
	Yes No
5. Foam Blanket Fume Suppressant	Yes No
6. Fume Suppressant w/ Wetting Agent	⊠Yes □No
Has the facility conducted an initial performance test to establish monitoring parameters?	□Yes □No ⊠N/A
(Not required for sources using a wetting agent or 1-inch foam blanket thickness)	
PART IV: RECORDKEEPING/REPORTING REQUIREMENTS - Rule 62-213.300((3)
TART IV. RECORDINED HIG/RELOKTHIO REQUIREMENTS - Ruic 02-213.0000	3)
Has the responsible official maintained the following records?	
1. Quarterly inspection records for add-on air pollution control devices and	
monitoring equipment. (applicable only to a facility using a packed bed scrubber,	
mist eliminator, or composite mesh pad)	
2. Operations and Maintenance Plan (OMP). (applicable only to a facility using a	
scrubber, fiber-bed mist eliminator, or composite mesh pad)	∐Yes ∐No ⊠N/A
3. Maintenance records for the source, add-on pollution control devices, and	Nav Day
monitoring equipment (equipment identified, date performed, description)	Yes □No
4. Records of date of occurrence, duration, cause, and corrective action of each	,
malfunction of process, add-on pollution control device, and monitoring equipmen	
5. Results of all performance tests6. Records of monitoring data. (not applicable to trivalent chromium baths using a	
agent)	l wetting □Vos □Nο ⊠N/Λ
ugem;	Lies Lino Mina
Composite Mesh Pad	
Measure the pressure drop across the CMP daily	Yes No
Packed Bed Scrubber	
Measure the pressure drop across the PBS and the inlet velocity daily	☐Yes ☐No
<u>Fiber-Bed</u> <u>Mist</u> <u>Eliminator</u>	
Measure the pressure drop across the FBME and the upstream device daily	☐Yes ☐No
Packed Bed Scrubber/Composite Mesh Pad	
Measure the pressure drop across the CMP daily	☐Yes ☐No
Foam Blanket Fume Suppressant	
Measure the foam blanket thickness at the appropriate interval	∐Yes ∐No
Fume Suppressant w/ Wetting Agent	
Measure the surface tension at the appropriate interval.	∑Yes □No
7. Purchase records of wetting agent components.	
8. Records of the date and time that fume suppressants are added to the bath	∑Yes □No □N/A
9. Records of rectifier capacity, if used to determine facility size	☐Yes ☐No ☑N/A
10. Records of the total process operating time	
12. Startup, Shutdown & Malfunction Plan	
12. Startup, Shutdown & Manufetton Fran	

Jeff Morris	4/13/12
Inspector's Name (Please Print)	Date of Inspection
	4/13/13
Inspector's Signature	Approximate Date of Next Inspection

COMMENTS: 4/12/13 - An annual full compliance inspection revealed that the only operation is the chromic acid process. The decorative tank has been shut down. The company is planning to remove the tank in the next couple of months with the residual chromium sent off site for recycling. On 3/29/13 the facility performed a surface tension test. The test reported 39 dynes/cm (45 dynes/cm limited). 1 L of Benchbrite 1800 suppressant was added. A retest indicated the surface tension = 36.8 dynes/cm. Additionally a copy of the operation log is attached to the inspection report. Freedom Metal Finishings procedure is to perform the monitoring of the tank every 1500-1700 minutes. The comment is noted to tank operators at the top the Operation Log.

Additionally, Freedom Metal Finishing is required to keep monthly paint usage logs. The usage logs is to verify the company never exceeded the RACT limit of 750 gallons/month during the compliance year. The highest month (May, 12') = 253.7 gallons of paint. A copy of the spreadsheet is attached to the inspection report.[jm]