

SPOKANE REGIONAL CLEAN AIR AGENCY

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**NOTIFICATION OF CONSTRUCTION/RECONSTRUCTION FOR FACILITIES SUBJECT TO 40 CFR PART 63, SUBPART N – National Emission Standards for Chromium Emissions from
HARD & DECORATIVE CHROMIUM ELECTROPLATING &
CHROMIUM ANODIZING TANKS**

This Notice of Constuction (NOC) application must be accompanied by the required \$3,525.00 base fee for the project. Additional NOC review fees will be invoiced after the NOC review is complete. See Spokane Clean Air's current fee schedule for applicable NOC fees.

NOC #

1. GENERAL INFORMATION

Owner / Operator: _____ Name of Business: _____ Business address: _____ Contact person: _____	Applicant: _____ Applicant 's address: _____ Contact person: _____
Business phone #: _____ Business fax #: _____ Business e-mail: _____	Applicant's phone #: _____ Applicant's fax #: _____ Applicant's e-mail: _____

2. INSTALLATION INFORMATION

Installation address: _____ Installation phone #: _____ Contact person: _____	Installer Co. name: _____ Installer's address: _____ Phone #: _____ Fax #: _____ Installer's e-mail _____ Contact person: _____
Type of business: <input type="checkbox"/> New <input type="checkbox"/> Existing	Nature of business: _____
Facility registered with SRCAA? <input type="checkbox"/> Yes <input type="checkbox"/> No	Estimated date of completion: _____

3. CONSTRUCTION OR RECONSTRUCTION. This application is for construction or reconstruction of chromium plating or anodizing tank(s).

4. TANK INFORMATION. Complete the following table for each tank for which construction or reconstruction is planned. If additional lines are needed, make copies of this page. A sample is given.

SAMPLE

Tank ID #	Type of Tank	Expected Beginning Date for Constr/ Reconstr	Expected Completion Date for Constr/ Reconstr	Anticipated Start-Up Date	Type of Control(s) to be Used	Control System ID #	Estimated Total Chromium Emissions After Control is Applied
1	Hard Chrome Plating	10/94	1/95	1/95	Composite Mesh Pad & Wetting-Agent Fume suppressant	1	0.01 mg/dscm
2	Decorative Chrome Plating	2/95	6/95	6/95	Wetting-Agent Fume suppressant	N/A	Will meet 45 dynes/cm

Tank ID #	Type of Tank	Expected Beginning Date for Constr/ Reconstr	Expected Completion Date for Constr/ Reconstr	Anticipated Start-Up Date	Type of Control(s) to be Used ¹	Control System ID #	Estimated Total Chromium Emissions After Control is Applied ²

(OVER)

Revised 4/18/11

- 1 Attach design information from vendor, including design drawings and design capacity.
 2 Attach engineering calculations to support estimate. These calculations may be from the vendor. Emissions estimates should be expressed in units consistent with the emission limits in the regulation.

5. AIR POLLUTION CONTROL EQUIPMENT BEING INSTALLED / MODIFIED

Description: (make, model number, capacity rating, etc)	
Number of units being installed / modified:	Status of equipment: <input type="checkbox"/> New <input type="checkbox"/> Used <input type="checkbox"/> Existing
Will this equipment share a stack with other equipment?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, please explain:	

6. EXHAUST STACK DATA

Stack height from ground: (ft)	Flow rate: (SCFM)	Exit temperature: (° F)	Internal stack diameter: (ft)
How does exhaust exit the stack? <input type="checkbox"/> Vertical <input type="checkbox"/> Horizontal			
Will a stack cap / rain guard be installed ? <input type="checkbox"/> Yes <input type="checkbox"/> No (If Yes, submit a drawing of the stack cap design)			

7. MODELING INFORMATION

All building dimensions w/in 200 ft. of proposal: (LxWxH) (ft) Include these dimensions on required plot plan	Distance from stack to nearest property line: (ft)
Describe any dispersion modeling that has been done. Attach computer printout of results.	

8. MAJOR OR AREA SOURCES. The tanks will be located at a (check one) major or area source. (NOTE: A major source is a site that emits more than 10 tons per year of any one hazardous air pollutant (HAP) or 25 tons of all hazardous air pollutants combined. All other sources are area sources. The major/area source determination is based on all HAP emissions at the site, not just the plating or anodizing tanks.

9. RECTIFIER CAPACITY. If hard chromium electroplating tanks are being constructed/reconstructed,

What is the total rectifier capacity in amperes: _____?

Check all the following that apply:

- The maximum cumulative potential rectifier capacity of the hard chromium electroplating tanks is greater than or equal to 60 million amp-hr/year. This was determined by taking the sum of the total installed rectifier capacity (amperes) multiplied by 8400 hours/year and by 0.7 for each tank.
- The maximum cumulative rectifier capacity of the hard chromium electroplating tanks is less than 60 million amp-hr/year. This was determined by taking the sum of the total installed rectifier capacity (amperes) multiplied by 8400 hours/year and by 0.7 for each tank.
- Records show that the site's previous 12-month cumulative current usage for the hard chromium electroplating tanks was less than 60 million amp-hr/year.
- The company wishes to accept a federally-enforceable limit of less than 60 million amp-hr/year on the maximum cumulative potential rectifier capacity of the hard chrome electroplating tanks.

10. PARTS TO BE RECONSTRUCTED. If reconstruction is to occur, attach a brief description of the source and the components to be replaced.

11. RECONSTRUCTION ECONOMIC LIMITATIONS. If reconstruction is to occur, and the company believes that there are economic or technical limitations to prevent the company from complying with all relevant standards or requirements.

- Attach a discussion of any economic or technical limitations of complying with the relevant standards or requirements. The discussion must be sufficiently detailed to demonstrate how these limitations will affect the company's ability to comply.
- Provide an estimate of the fixed capital cost of the replacements and of construction a comparable entirely new source: Replacements \$ _____ New Source \$ _____.
- Provide the estimated life of the source after the replacements: _____

12. OTHER INFORMATION - ATTACH THE FOLLOWING TO THIS APPLICATION

• Plot plan showing the entire facility, buildings w/in 200 ft of proposal, including cross streets and property lines, and location of the proposed - (required)
• Flow diagram of the process, including emission control equipment.
• Material Safety Data Sheets (MSDS) for all materials used - (required)
• Environmental Checklist (SEPA) / DNS (required) SEPA date _____ DNS date _____
• Any emission data (including particulate, NO _x , SO ₂ , CO, VOC, lead, and toxics) - (if available)
• Manufacturer and/or vendor information on process and air pollution control equipment being installed or modified – (required)

13. OWNER, OPERATOR, OR RESPONSIBLE OFFICIAL or AGENT SIGNATURE:

I HEREBY CERTIFY THAT THE INFORMATION CONTAINED IN THIS APPLICATION, INCLUDING SUPPLEMENTAL FORMS AND DATA, IS TO THE BEST OF MY KNOWLEDGE COMPLETE AND CORRECT.

FOR AGENCY USE ONLY

**Approved by the Spokane
Regional Clean Air Agency
pursuant to conditions of approval
specified in the Approval Order**

Type or Print Name: _____
Title: _____
Signature _____
Date: _____

CONTROL OFFICER
Date _____
Comments _____

A responsible official can be:

- The president, vice-president, secretary, or treasurer of the company that owns the plant;
- The owner of the plant;
- The plant engineer or supervisor;
- A government official if the plant is owned by the Federal, State, City, or County government; or
- A ranking military officer, if the plant is located on a military base.