

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

IN THE MATTER OF:) FINDING OF VIOLATION
)
Duro-Chrome Industries, Inc.) EPA-5-99-IL-4
Wauconda, Illinois)
)
Proceedings Pursuant to)
Sections 112 and 113 of the)
Clean Air Act, 42 U.S.C. §§ 7412)
and 7413.)
_____)

FINDING OF VIOLATION

Pursuant to Section 113(a)(3) of the Clean Air Act (Act), 42 U.S.C. § 7413(a)(3), the United States Environmental Protection Agency (U.S. EPA) hereby notifies the State of Illinois and Duro-Chrome Industries, Inc. (Duro-Chrome) that the U.S. EPA, by authority duly delegated to the undersigned, finds Duro-Chrome's facility, located at 275 Industrial Drive, Wauconda, Illinois, to be in violation of Section 112 of the Clean Air Act, 42 U.S.C. § 7412, and the regulations promulgated thereunder at 40 C.F.R. Part 63, Subpart N, which set forth the National Emission Standards for Hazardous Air Pollutants for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, 40 C.F.R. §§ 63.340-347 (Chrome NESHAP).

Duro-Chrome's Wauconda, Illinois facility has 6 hard chrome electroplating tanks subject to the Chrome NESHAP. All 6 tanks have greater than 60 million amp-hours per year. Tanks 1,2,4,5, and 6 are existing large chrome tanks. Tank 3 is considered a new tank. Both large existing tanks and new tanks are subject to an emission limit of 0.015 mg/dscm. 40 C.F.R. § 63.342(c)(1)(i).

The results of November 17-21, 1997 stack tests show that Tanks 1,2,3, and 4 at Duro-Chrome exceeded the emission limit of 0.015 mg/dscm of total chromium, found at 40 C.F.R. § 63.342(c)(1)(i), as summarized in Table 1, below:

TABLE 1

Tank 1 Run (10,000 amps)	<u>Chrome emission</u> (mg/dscm)	<u>Allowable</u>
1	0.052	
2	0.025	
3	<u>0.026</u>	
Average	0.034 mg/dscm	0.015 mg/dscm

Tank 2 Run (4,500 amps)	<u>Chrome emission</u> (mg/dscm)	<u>Allowable</u>
1	0.050	
2	0.060	
3	<u>0.042</u>	
Average	0.051 mg/dscm	0.015 mg/dscm

Tank 3 Run (5,000 amps)	<u>Chrome emission</u> (mg/dscm)	<u>Allowable</u>
1	0.026	
2	0.040	
3	<u>0.027</u>	
Average	0.031 mg/dscm	0.015 mg/dscm

Tank 4 Run (5,700 amps)	<u>Chrome emission</u> (mg/dscm)	<u>Allowable</u>
1	0.031	
2	0.030	
3	<u>0.024</u>	
Average	0.028 mg/dscm	0.015 mg/dscm

X An additional test conducted on June 17, 1998 of the emissions from Tank 2 after installation of new control equipment continue to demonstrate exceedance of the emission limit:

Tank 2
Run

Chrome emission
(mg/dscm)

Allowable

1
2
3

0.016
0.020
0.021
0.019 mg/dscm

0.015 mg/dscm

Average

12/15/98
Date



Stephen Rothblatt, Acting Director
Air and Radiation Division

CERTIFICATE OF MAILING

I, Betty Williams, do hereby certify that a Finding of Violation was sent by Certified Mail, Return Receipt Requested, to:

Margo Garcia, President
Duro-Chrome Industries, Inc.
275 Industrial Drive
Wauconda, Illinois 60084

I also certify that a copy of the Finding of Violation was sent by first class mail to:

David Kolaz, Chief
Compliance and Systems Management Section
Bureau of Air
Illinois Environmental Protection Agency
1021 North Grand Avenue
Springfield, Illinois 62702

Mel Villalobos, Manager
Region I
Illinois Environmental Protection Agency
1701 First Avenue
Suite 600
Maywood, Illinois 60153

on the 16th day of December, 1998.

Betty Williams
Betty Williams, Secretary
ARD/AECAB/AECAS (IL/IN)

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CERTIFIED MAIL RECEIPT NUMBER