State of California
AIR RESOURCES BOARD

Resolution 88-18

February 18, 1988

Agenda Item No.: 88-2-2

WHEREAS, on January 23,1986, pursuant to Section 39662 of the Health and Safety Code, the Air Resources Board (Board) identified hexavalent chromium as a toxic air contaminant for which there is not sufficient available scientific evidence to support identification of a threshold exposure level below which no significant adverse health effects are anticipated (see Title 17, California Code of Regulations, Section 93000);

WHEREAS, following identification of hexavalent chromium as a toxic air contaminant, the Executive Officer, with the participation of local air pollution control districts, is required to prepare a report on the need for and appropriate degree of control of hexavalent chromium emissions;

WHEREAS, the staff has worked closely with the districts through the Technical Review Group and with the affected industry sources to develop as expeditiously as practicable an airborne toxic control measure for emissions of hexavalent chromium from chrome plating and chromic acid anodizing operations;

WHEREAS, the staff has developed a proposed airborne toxic control measure (ATCM) which would require that uncontrolled emissions of hexavalent chromium be reduced by at least 95% for all chrome plating and chromic acid anodizing operations and that would require greater emission reductions for the larger emitters;

WHEREAS, the staff has prepared the "Proposed Airborne Toxic Control Measure for Emissions of Hexavalent Chromium from Chrome Plating and Chromic Acid Anodizing Operations" (staff report) and its Technical Support Document which include: estimates of hexavalent chromium emissions, exposure, cancer risk and cancer incidence from chrome plating and chromic acid anodizing operations; a discussion of the availability, technological feasibility and costs of an ATCM to reduce emissions of

hexavalent chromium from chrome plating and chromic acid anodizing operations; a discussion of the anticipated effect of the ATCM on hexavalent chromium exposure and risk; a discussion of the alternatives to the ATCM; and identification of any potential adverse health, safety or environmental impacts of the ATCM;

WHEREAS, the staff report for the proposed ATCM and its Technical Support Document in conjunction with the Hexavalent Chromium Control Plan and its Technical Support Document constitute the report on the need and appropriate degree of regulation for hexavalent chromium required by Health and Safety Code Section 39665;

WHEREAS, the proposed ATCM would reduce hexavalent chromium emissions and the potential lifetime cancer incidence (220-2800 cancer cases) from chrome plating and chromic acid anodizing operations by requiring the use of the most effective controls that are technologically feasible to reduce hexavalent chromium emissions for the protection of the public health as required by Health and Safety Code Section 39666 (c);

WHEREAS, the Technical Review Group has reviewed and approved the proposed control measure;

WHEREAS, the proposed ATCM was made available to the public for review and comment and was discussed at public consultation meetings on June 5, 1986, June 27, 1986, February 5, 1987, April 10, 1987 and December 2, 1987;

WHEREAS, in accordance with Health and Safety Code Section 39665(c), the staff report and relevant comments received during public consultation with the districts, affected industry sources, and the public were made available for public review and comment 45 days prior to the public hearing to consider the proposed ATCM;

WHEREAS, in order to address particular localized conditions, districts may consider the adoption of measures which will reduce the public health risk further than the ATCM through operational limitations and other nontechnological means.

WHEREAS, the California Environmental Quality Act and Board regulations require that no project having significant adverse environmental impacts be adopted as originally proposed if feasible alternatives or mitigation measures are available;

WHEREAS, a public hearing and other administrative proceedings were held in accordance with provisions of Chapter 3.5 (commencing with Section 11340), Part 1, Division 3, Title 2 of the Government Code;

WHEREAS, in consideration of the staff report and the written comments and public testimony it has received, the Board finds:

The added lifetime cancer incidence from exposure to hexavalent chromium emissions from chrome plating and chromic acid anodizing operations contributes to the statewide and local incidence of cancer;

The proposed airborne toxic control measure for hexavalent chromium complies with the requirements of state law for control of sources of toxic air contaminants identified by the Board;

The proposed airborne toxic control measure would reduce hexavalent chromium emissions from chrome plating and chromic acid anodizing operations by mandating the levels of control based on the level of emissions, difficulty of achieving control and risk to public health;

A level of control more stringent than best available control technology is necessary for the highest-emitting facilities in order to reduce the risk to public health; and

The reporting requirements of the proposed regulation which apply to small businesses are necessary for the health, safety, and welfare of the people of the state;

WHEREAS, the Board has determined, pursuant to the requirements of the California Environmental Quality Act and Board regulations, that this regulatory action will have no significant adverse impact on the environment.

NOW, THEREFORE, BE IT RESOLVED, that the Board hereby adopts Section 93102, Subchapter 7.5, Chapter 1, Part III, Titles 17 and 26, California Code of Regulations as set forth in Attachment A.

I hereby certify that the above is a true and correct copy of Resolution 88-18, as adopted by the Air Resources Board.

Cary Allison, Board Secretary

State of California
AIR RESOURCES BOARD

Response to Significant Environmental Issues

Item: Notice of Public Hearing to Consider the Adoption of an Airborne Toxic Control Measure for Hexavalent Chromium Emissions from Chrome Plating and Chromic Acid Anodizing Facilities.

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Public Hearing Dates: February 18, 1988

Response Date:

Issuing Authority: Air Resources Board

Comment: No comments were received identifying any significant environmental issues pertaining to this item. The staff report identified no significant adverse environmental effects.

Response: N/A

Certified: _____
Board Secretary

Date: 10/31/88