

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the federal Clean Water Act, as amended, 33 U.S.C. §§1251 et seq., and the Massachusetts Clean Waters Act, as amended, Mass. Gen. Laws. ch. 21, §§26-53, the

Cornell-Dubilier Electronics Corporation

is authorized to discharge from the facility located at

**1605 East Rodney French Blvd.
New Bedford, MA 02744**

to **Fort Phoenix Reach near Acushnet River Estuary in the Lower New Bedford Harbor,**

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective 60 days after signature.

This permit and the authorization to discharge expire (5) years from the effective date.

This permit supercedes the permit issued on September 22, 1989 and modified on July 2, 1990.

This permit consists of 7 pages and Attachment A, SWPPP Minimum Requirements, in Part I including effluent limitations, monitoring requirements, etc., and 35 pages in Part II including General Conditions and Definitions.

Signed this 28th day of December, 2000

/Signature on file/

Linda M. Murphy, Director
Office of Ecosystem Protection
Environmental Protection Agency
Region I, Boston, MA

Director, Division of
Watershed Management
Department of Environmental
Protection
Commonwealth of
Massachusetts, Boston, MA

Part I

A. Effluent Limitations and Monitoring Requirements

1. During the period beginning the effective date and lasting through the expiration date, the permittee is authorized to discharge stormwater from outfall serial number 002. (See Part I.A.1.e. for sampling location)

a. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristic	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>	
	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
Flow (mgd)	----	Report	1/Quarter	*2
Oil and Grease (mg/l)* ¹	----	15	1/Quarter	grab * ³
pH(su)* ¹	(See page 3b)		1/Quarter	grab * ³
PCBs, Total (ug/l)		Report* ⁴	1/Quarter	grab * ³

Footnotes:

- *1. Required for State Certification.
- *2. Estimate and report total daily flow on the day that sampling takes place each quarter.
- *3 Monitoring for grab samples will be done in accordance with the following protocol :
- i. Sampling shall be conducted during significant storm events (greater than 0.1 inches total precipitation). A single sample shall be taken during the storm event from the sample point.
 - ii. Each sample will be taken within the first hour of the start of the storm event, or when the discharge begins, if a discharge has not occurred during the first hour of the storm.
 - iii. If there are no significant storms within the reporting period, and subsequently no discharge, the permittee is not required to sample, but shall report on its discharge monitoring report that no discharges occurred during the reporting period.
- *4 EPA Method 608 is not allowed for PCB analysis because it does not achieve an adequate detection level for quantifying PCBs in the CDE discharge. An alternate method with a lower detection limit must be used.

The low detection limit protocol must measure total PCBs either by summing all the individual congener concentrations or summing the homologue group concentrations. Modified Method 1668(WHO congeners plus homologue groups) or Method 1668 Revision A(total/full individual congener analysis) are appropriate. Other laboratory validated methods , total/full congener, or total homologue group methods that quantitate total PCBs below 0.1 µg/L either by High Resolution Gas Chromatography(HRGC) /ECD or HRGC/Low Resolution Mass Spectroscopy(LRMS) may be used as long as documented evidence is shown that all relevant QC criteria for the method are established and documented in an SOP.

End of Footnotes

b. State water quality standards require the pH of effluent discharges to Class SB waters be in the range of 6.5 to 8.5 standard units (s.u.) and not more than 0.2 units outside of the normally occurring instream range. EPA is requiring this facility to monitor the pH of the storm water discharge, without limit. Monitoring the pH of the storm water may not provide an indication of the effectiveness of the storm water

pollution prevention plan because of the influences of factor like acid rain which is beyond the control of the permittee. However, the result of pH monitoring shall be reported in the DMR which can be helpful in characterizing potential contamination of storm water discharge.

c. The discharge shall not cause objectionable color, odor or turbidity to the receiving waters.

d. The effluent shall contain neither a visible oil sheen, foam, nor floating solids at any time.

e. Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location:

catch basin located at center of parking lot between Annex and Building D.

f. The discharge shall not jeopardize any Class SA use of the receiving water and shall not violate applicable water quality standards.

2. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"

(1) One hundred micrograms per liter (100 ug/l);

(2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-

dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

- (3) Five (5) time the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7);or
- (4) Any other notification level established by the Director in accordance with 40 C.F. R. §122.44(f).

b. That any activity has occurred or will occur which would result in the discharge, on a non-routine or infrequent basis, of any toxic pollutant which isn't limited in the permit, if that discharge will exceed the highest of the following "notification levels":

- (1) Five hundred micrograms per liter (500 ug/l);
- (2) Two milligram per liter (1 mg/l) for antimony;
- (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 C.F.R. §122.21(g)(7);or
- (4) Any other notification level established by the Director in accordance with 40 C.F.R. §122.44(f).

c. That they have begun or expect to begin to use or manufacture as an intermediate or final product or by product any toxic pollutant which was not reported in the permit application.

B. Storm Water Pollution Prevention Plan (SWPPP)

The permittee shall develop and implement a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP for this facility shall be prepared, and except as provided elsewhere in this permit, shall provide for compliance with the terms of the permit and the plan, no later than 90 days after the effective date of the permit. The

SWPPP shall identify potential sources of pollution which may reasonable be expected to affect the quality of storm water discharges associated with industrial activity from the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in storm water discharges associated with the terms and conditions of this permit. Attachment A provides the minimum requirements of a Storm Water Pollution Prevention Plan for this facility.

C. MONITORING AND REPORTING

1. Monitoring results obtained shall be summarized for each quarter and reported on the Discharge Monitoring Report Forms postmarked no later than the 15th day of the month following the completed reporting period.

- a. Original signed of all Discharge Monitoring Reports, and all other report required herein, shall be submitted to the Director at the following

address:

Environmental Protection Agency
 Water Technical Unit (SEW)
 P.O. Box 8127
 Boston, Massachusetts 02114

- b. One signed copies of all monitoring reports and all other reports except toxicity test reports shall be submitted to the

State at :

Massachusetts Department of Environmental
 Protection
 Southeast Regional Office
 20 Riverside Drive
 Lakeville , MA 02347

- c. Signed copies of toxicity test reports and related notices except DMRs required by this permit shall be submitted to the State at :

Massachusetts Department of Environmental
 Protection

Division of Watershed Management
Surface Water Discharge Permit Program
627 Main Street
Worcester, Massachusetts 01608

D. STATE PERMIT CONDITIONS

This Discharge Permit is issued jointly by the U. S. Environmental Protection Agency and the Massachusetts Department of Environmental Protection under federal and state law, respectively. As such, all the terms and conditions of this permit are hereby incorporated into and constitute a discharge permit issued by the Director, Office of Watershed Management of the Massachusetts Department of Environmental Protection pursuant to M.G.L. Chap. 21, §43.

Each Agency shall have the independent right to enforce the terms and conditions of this permit. Any modification, suspension or revocation of this permit shall be effective only with respect to the agency taking such action, and shall not affect the validity or status of this permit as issued by the other agency, unless and until each agency has concurred in writing with such modification, suspension or revocation. In the event any portion of this permit is declared invalid, illegal or permit shall remain in full force and effect under federal law as an NPDES permit issued by the U.S. Environmental Protection Agency. In the event this permit is declared invalid, illegal or other wise issued in violation of federal law, this permit shall remain in full force and effect under state law as a permit issued by the Commonwealth of Massachusetts.