STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

STATE OFFICE BUILDING HARTFORD, CONNECTICUT 06115

WATER COMPLIANCE UNIT
DIVISION OF ENVIRONMENTAL QUALITY
CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OFFICE BUILDING
HARTFORD, CONNECTICUT 06115

RDMS DocID 110213

NPDES PERMIT

RCRA RECORDS CENTER
FACILITY Atlantic Wire
I.D. NO. CTD001161811
FILE NO. R-13
OTHER

Atlantic Wire Company
1 Church Street
Branford, Connecticut 06405

Attention: Mr. Harry Maple
President

Re: DEP/WPC-014-013
Town of Branford
Branford River Watershed

Gentlemen:

This order is authorized to be issued by Chapter 474a, Connecticut General Statutes and Section 402(b), Federal Water Pollution Control Act, as amended, 33 USC 1251, et. seq., and pursuant to an approval dated September 26, 1973, by the Administrator of the United States Environmental Protection Agency for the State of Connecticut to administer an N.P.D.E.S. permit program.

Your application, filed with the Connecticut Department of Environmental Protection on April 23, 1979, has been reviewed by the Connecticut Department of Environmental Protection.

The Commissioner of Environmental Protection (hereinafter "the Commissioner") hereby finds that Atlantic Wire Company is maintaining a facility described in the above referenced application which is causing pollution of the waters of the state under the provisions of Chapter 474a of the Connecticut General Statutes.

The Commissioner, acting under Section 25-54h, hereby orders Atlantic Wire Company to take such action as is necessary to:

1) Insure that all wastewaters described in the above-referenced application are collected, treated and discharged in accordance with the engineering study approved by the Director of Water Compliance on December 17, 1973, together with associated engineering documets, correspondence and other data submitted to comply or obtained to verify compliance with Order No. 1063 entered on August 21, 1972 and May 13, 1974 and/or discharged in accordance with this Order.

2) Insure that all discharges described in this order shall not exceed and shall otherwise conform to the specific terms and general conditions specified herein.

A) Discharge Serial No. 001
Receiving Stream - Branford River
Average Daily Flow - 460,800 gallons per day
Maximum Temperature 80°F

1) The temperature of the discharge shall not increase the temperature of the receiving water above 83°F or raise the normal temperature of the receiving water more than 4°F.

B) Discharge Serial No. 001A
Receiving Stream - Branford River

Before: April 30, 1982

Average Daily Flow - 254,000 gallons per day

Parameter	Average Daily Quantity	Maximum Concentration*	Average Daily Concentration
Chromium - Total	0.98 kg/day	3.0 mg/l	1.0 mg/l
Copper	0.98 kg/day	3.0 mg/l	1.0 mg/l
Iron	1.96 kg/day	5.0 mg/l	2.0 mg/l
Nickel	0.98 kg/day	2.0 mg/l	1.0 mg/l
Tin	0.98 kg/day	2.0 mg/l	1.0 mg/l
Zinc	1.96 kg/day	4.0 mg/l	2.0 mg/l
Total Suspended Solids	24.50 kg/day	50.0 mg/l	25.0 mg/l

1) The pH of the discharge shall not be less than 6.0 or greater than 9.0.

2) The discharge shall not contain a visible oil sheen, foam or floating solids.

3) The discharge shall not contain more than 0.1 milliliters per liter settleable solids.

4) The discharge shall not cause visible discoloration of the receiving waters.

5) The maximum concentrations specified above shall not be exceeded at any time.

After: April 30, 1982

Average Daily Flow - Contingent upon engineering report required by Step A below.

Parameter	Average Daily Quantity	Maximum Concentration*	Average Daily Concentration
Chromium - Total	Contingent upon	3.0 mg/l	1.0 mg/l
Chromium - Hexavalent	Engineering report	0.2 mg/l	0.1 mg/l
Copper	required by Step A	3.0 mg/l	1.0 mg/l
Iron	below	5.0 mg/l	2.0 mg/l

Parameter (Continued)	Average Daily Quantity	Maximum Concentration*	Average Daily Concentration
Nickel		2.0 mg/l	1.0 mg/l
Tin		2.0 mg/l	1.0 mg/l
Zinc		2.0 mg/l	1.0 mg/l
Total Suspended Solids		30.0 mg/l	20.0 mg/l

*See General Conditions

1) The pH of the discharge shall not be less than 6.0 or greater than 9.0.

2) The discharge shall not contain a visible oil sheen, foam or floating solids.

3) The discharge shall not contain more than 0.1 milliliters per liter settleable solids.

4) The discharge shall not cause visible discoloration of the receiving waters.

5) The maximum concentrations specified above shall not be exceeded at any time.

C) Discharge Serial No. 001B (Cooling Water)
Average Daily Flow - 201,600 gallons per day
Maximum Temperature - 80°F

3) Not discharge any new pollutant not authorized by this order which has or may have an adverse impact on the receiving waters.

4) Monitor and report to the Director of Water Compliance by the 10th of each month the following for the purpose of reporting quality and quantity of each discharge according to the following schedule:

A) Discharge Serial No. 001

Parameter	Minimum Frequency of Sampling	Sample Type
Temperature	Quarterly	Grab
pH	Quarterly	Grab

B) Discharge Serial No. 001A

Parameter	Minimum Frequency of Sampling	Sample Type
Chromium - Total	Monthly	Composite
Chromium - Hexavalent	Monthly	Composite
Copper	Monthly	Composite

Parameter (Continued)	Minimum Frequency of Sampling	Sample Type
Iron	Monthly	Composite
Nickel	Monthly	Composite
Tin	Monthly	Composite
Zinc	Monthly	Composite
Total Suspended Solids	Monthly	Composite
pH	Monthly	Range during composite

1) Record the total flow on the day of composite sample collection.

5) Not bypass the treatment facilities or any part thereof at any time. If any part of the waste treatment facilities becomes inoperable at any time, the Water Compliance Unit shall be notified immediately. A written report shall follow, giving the cause of the problem, duration and corrective measures taken.

6) Dispose of screenings, sludges and other solids or oils and other liquid chemicals at locations approved in accordance with the provisions of Chapter 474a and/or Chapter 361a of the Connecticut General Statutes or to waste haulers licensed under Chapter 474a of the Connecticut General Statutes.

7) Provide an alternate power source adequate to operate the treatment facilities and/or such other means as may be appropriate to insure that no discharge of untreated or partially treated wastewater will occur during a failure of the primary power source.

8) On or before April 30, 1980 verify to the Commissioner that compliance with paragraph 1 is being achieved and that the provisions of paragraphs 2, 3, 4, 5, 6, and 7 will be complied with.

9) On or before May 31, 1980 submit for the review and approval of the Commissioner a report detailing the existing or proposed system of achieving compliance with the terms of paragraph 7 including if appropriate a time schedule for 1) the submission of plans and/or specifications, 2) the start of construction, and 3) the placing of the system in operation.

10) On or before April 30, 1980 and monthly thereafter submit to the Director of Water Compliance all detailed monitoring data required under the provisions of paragraph 4 above.

11) On or before July 31, 1980 verify to the Commissioner that all construction required by paragraph 7 above has been completed.

The above-described specific terms may be revised following public notice and public hearing, if required, on the basis of a detailed engineering study if agreed to by the Commissioner.

Atlantic Wire Company is further ordered to accomplish the above-described program, except as may be revised by the recommendations of a detailed engineering study and agreed to by the Commissioner in accordance with the following schedule:

A) On or before December 31, 1980 submit for the review and approval of the Commissioner an engineering report which shall include the following information:

1) A description of additional treatment facilities and/or alterations in operating procedures as may be required to assure compliance with the specific terms of paragraph 2 above and/or any applicable Federal and/or State guidelines which may be promulgated subsequent to the issuance of this permit.

2) The means by which the total quantity of pollutants discharged will be minimized through the use of water conservation measures.

3) A description of the quantity and quality of all non-domestic discharges to the sanitary sewer, treatment presently provided, and any modifications necessary to improve the quality of the discharges.

4) A description of present sludge disposal practices, including the quantity generated, means of drying, ultimate disposal site, and waste hauler (if appropriate).

5) An inventory of all wastewaters currently being discharged to the industrial wastewater treatment system and necessary wastewater segregation and additional treatment facilities.

6) A description of present treatment for concentrated wastewater and floor spills and necessary additional treatment facilities.

7) A description of all overflows and bypasses within the wastewater collection and treatment system and necessary corrective actions for elimination.

8) An inventory of all sources of chromium contaminated wastewaters and necessary additional pretreatment facilities prior to combining with non-chromium contaminated wastewaters.

B) On or before April 30, 1981 submit for the review and approval of the Commissioner construction plans and specifications accompanied by a summary basis of design.

C) On or before August 31, 1981 verify to the Commissioner that the construction of such additional treatment facilities has been started.

D) On or before April 30, 1982 verify to the Commissioner that such additional treatment facilities have been placed in operation.

This order shall be considered as the permit required by Section 402 of the Federal Water Pollution Control Act and shall expire on April 18, 1985.

This order shall be subject to all the NPDES General Conditions dated April 27, 1979 which are hereby incorporated into this order.

Upon verification of full compliance with this order, a letter acknowledging this order to be equivalent of a permit issued under Section 25-54i and/or a revised NPDES permit will be issued.

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301(b)(2) (C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

Entered as an order of the Commissioner on the 18th day of April, 1980.

Stanley J. Pac
COMMISSIONER

ORDER No. 2783
NPDES No. CT0000159