

ALLEGHENY COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL QUALITY
Division of Air Quality

IN RE:

Hercules Incorporated)	ENFORCEMENT ORDER
State Highway 837)	NO. <u>216</u>
Allegheny County)	<u>UPON CONSENT</u>
West Elizabeth, PA 15088)	

AND NOW, this Eight day of March, 1996,

WHEREAS, the Allegheny County Health Department, Bureau of Environmental Quality, Division of Air Quality (hereafter referred to as "Bureau"), has determined that the Hercules Incorporated (hereafter referred to as "HERCULES"), State Highway 837, Allegheny County, West Elizabeth, PA 15088, is the owner and operator of synthetic hydrocarbon resin production facilities at State Highway 837, Allegheny County, West Elizabeth, PA 15088 (hereafter referred to as "the facility"), is a major stationary source of oxides of nitrogen (hereafter referred to as "NO_x") emissions as defined in Section 2101.20 of Article XXI, Rules and Regulations of the Allegheny County Health Department, Air Pollution Control (hereafter referred to as "Article XXI"); and

WHEREAS, the Bureau has determined that Section 2105.06.a. of Article XXI, entitled "Major Sources of NO_x & VOCs" is applicable to HERCULES's operations at this facility; and

WHEREAS, HERCULES promptly submitted to the Bureau all documents required by Section 2105.06.b of Article XXI (hereafter referred to as "the proposal"); and

WHEREAS, the Bureau, after a review of the submitted proposal, has determined the proposal to be complete; and

WHEREAS, the Bureau has further determined, after review of the submitted proposal, that it constitutes Reasonably Available Control Technology (hereafter referred to as "RACT") for control of NO_x emissions from HERCULES; and

WHEREAS, the Bureau and HERCULES desire to memorialize the details of the submitted proposal by entry of an Enforcement Order and Agreement Upon Consent, in lieu of modifying existing combustion unit permits; and

WHEREAS, pursuant to Section 2109.03 of Article XXI, whenever the Director of the Allegheny County Health Department or his designated representative finds, on the basis of any information available to him, that any source is being operated in violation of any provision of Article XXI, he may order the person or persons responsible for the source to comply with Article XXI

or he may order the immediate shutdown of the source or any part thereof; and

NOW, THEREFORE, this day first written above, the Bureau, pursuant to Section 2109.03 of Article XXI, and upon agreement of the parties as hereinafter set forth, hereby issues this Enforcement Order and Agreement upon Consent:

I. ORDER

- 1.1. At no time shall HERCULES allow Boilers #1, #2, #3, #4 and #5 at the facility to operate unless an annual adjustment or "tuneup" is performed on the combustion process. Such annual adjustment, or "tuneup" shall include, but not be limited to:
- a.) Inspection, adjustment, cleaning, or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer;
 - b.) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO_x, and to the extent practicable minimize emissions of carbon monoxide (hereafter referred as

"CO"; and

- c.) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

1.2. At no time shall HERCULES allow any time process operations at the facility unless the following records, at a minimum, are contained in HERCULES' operating record for Boilers #1, #2, #3, #4 and #5:

- a.) the date of the adjustment procedure;
- b.) the name of the service company and technicians;
- c.) the operating rate or load after adjustment;
- d.) the CO and NO_x emission rate after adjustment; and
- e.) the excess oxygen rate after adjustment.

1.3. At no time shall HERCULES allow the following equipment at the facility to operate unless each piece of listed equipment is being maintained and operated in accordance with good engineering practice and within the manufacturer's specifications, if applicable:

- i.) V-8 Cleaver;
- ii.) Brooks Furnace;
- iii.) V-8 (H-8) Petro Furnace;
- iv.) #1 LTC Cleaver Brooks Furnace;
- v.) #2 and #3 LTC VA-Power Furnaces; and
- vi.) C-5 Hot Oil Heater.

1.4. HERCULES shall at all times maintain all appropriate records to demonstrate compliance with the requirements of both Section 2105.06 Article XXI and this Order. Such records shall provide sufficient data and calculations to clearly demonstrate that all requirements of both Section 2105.06 of Article XXI and this Order are being met. Data and information required to determine compliance shall be recorded and maintained by HERCULES.

1.5. HERCULES shall at all times maintain records of fuel type and usage for each combustion unit including certifications from fuel suppliers for all types of liquid fuel for each shipment of distillate oils number 1 or 2, a certification that the fuel complies with ASTM D396-78 "Standard Specifications for Fuel Oils" is required. For residual oils, minimum record keeping includes a certification from the fuel supplier of the nitrogen content of the

fuel, and identification of the sampling method and sampling protocol. For fuels which are by-products of HERCULES' processes, the records keeping shall include the nitrogen content of the fuel, as analyzed according to Section 2107.01 of Article XXI.

- 1.6. HERCULES shall retain all records required by both Section 2105.06 of Article XXI and this Order for the facility for at least two (2) years and shall make the same available to the Bureau upon request.

II. AGREEMENT

The foregoing Order shall be enforced in accordance with and is subject to the following agreement of the parties, to wit:

- 2.1. The contents of this Order shall be submitted to The U.S. Environmental Protection Agency as a revision to the Commonwealth of Pennsylvania's State Implementation Plan (hereafter referred to as "SIP").

- 2.2. Failure to comply with any portion of this Order or Agreement is a violation of Article XXI that may subject HERCULES to criminal and civil proceedings, including injunctive relief, by the Bureau.
- 2.3. This Order establishes the extent of HERCULES' obligation with respect to the control of NO_x from this facility. Compliance with the requirements stated in the Order portion of this Order and Agreement shall be deemed compliance with all NO_x control requirements for equipment described in HERCULES' RACT Plan. Failure of HERCULES to comply with this Enforcement Order and Agreement by Consent shall subject HERCULES to only the remedies provided for violations of Article XXI.
- 2.4. HERCULES hereby consents to the foregoing Order and hereby knowingly waives all rights to appeal said Order, and the undersigned represents that he is authorized to consent to the Order and to enter into this Agreement on behalf of HERCULES.

IN WITNESS WHEREOF, and intending to be legally bound,
the parties hereby consent to all of the terms and conditions of
the foregoing Order and Agreement as of the date of the above
written.

HERCULES INC.

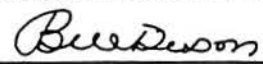
By: 
(signature)

Print or type Name: Joseph P. Ziegler

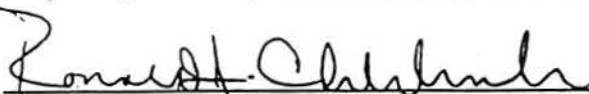
Title: Plant Manager

Date: 2/13/96

ALLEGHENY COUNTY HEALTH DEPARTMENT

By:  3/8/96

Bruce W. Dixon, M.D., Director
Allegheny County Health Department

and By: 

Ronald J. Chlebowski, Deputy Director
Bureau of Environmental Quality