

Permit to Install Terms and Conditions

Application No. 01-2071
APS Premise No. 0165010004
Permit Fee: \$390.

Name of Facility: E. I. Du PONT de NEMOURS & CO

Person to Contact: JAMES F. RILEY

Address: P.O. BOX 89
CIRCLEVILLE, OHIO 43113

Location of proposed source(s): Du PONT RD
CIRCLEVILLE, OHIO

Description of proposed source(s): RECYCLED AIR ON KAPTON LINE #2.

Date of Issuance: MARCH 22, 1989

Effective Date: MARCH 22, 1989

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

EPA 3156

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Substantial construction for installation must take place within eighteen months of the effective date of this permit. This deadline may be extended by up to twelve months, if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, examining records or reports pertaining to the construction, modification or installation of the above described source of environmental pollutants.

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

The specified permit fee must be remitted within 15 days of the effective date of this permit to install.

If the construction of the proposed source has already begun or has been completed prior to the date the Director of the Ohio Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for E. I. Du Pont de Nemours & Co. located in Pickaway County. The sources listed below shall not exceed the emission limits/control requirements contained in the following table:

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<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P015	Kapton line #2	Condensor w/ 95% efficiency; redesign of process to utilize recycled air Use of fabric filter w/ controlled pollutant emission rate of 0.02 gr/DSCF	3745-31-05 (A)(3) 3745-21-07 (G)(1) 3745-17-11	68.5 lbs HC/hr/day (24 hour period) at any time; 34.2 lbs HC/hr/24 hr period for any rolling 12 month period; 150 tons HC/rolling 12 month period. 0.05 lb PM/hr 0.18 ton PM/yr 0.02 gr/DSCF

**SUMMARY
 TOTAL NEW SOURCE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
Hydrocarbons (HC)	150
PM	0.18

This condition in no way limits the applicability of any other state or federal regulation.

APPLICABILITY

This Permit to Install is applicable only to the air contaminant sources listed and does not include the installation or modification of wastewater disposal systems or solid waste disposal facilities. Separate application must be made to the Director for the installation or modification of any such wastewater disposal systems or solid waste disposal facilities.

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport, and disposal of any waste material generated by the operation of the sources.

REPORTING

Any reports required by the Permit to Install shall be submitted to Central District Office, 1800 WaterMark Dr., Columbus, Ohio 43266-0149.

PERMIT TO OPERATE APPLICATION

A Permit to Operate Application and a \$15 application fee must be submitted to the appropriate field office for each source in this Permit to Install. In accordance with OAC rule 3745-35-02, the application shall be made at least ninety days prior to start-up of the source.

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PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source are subject to public disclosure in accordance with OAC Rule 3745-49-03.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. A Miran 981 stack gas analyzer shall be installed on Kapton Line 2 (P015). The monitor shall be installed and operated in accordance with the manufacturer's specifications at a minimum of 90% of the operating time of Kapton Line 2 during each calendar quarter.

The daily monitoring data, as well as any computations shall be retained in the company's files for a period of not less than two years. These records shall be made available to the Director or any authorized representative of the Director for review during normal business hours.

The facility shall submit reports on a quarterly basis to the Ohio EPA, Central District Office reporting the average hourly emission rate for each day of the previous quarter. Total downtime of the Miran 981 stack gas analyzer as a percent of the total operating time of Kapton Line 2 will also be included in this report. For periods when the Miran 981 stack gas analyzer is not operating, the hourly emission reports shall be assumed to be 68.5 lbs hydrocarbons per hour. Quarterly emission reports shall be submitted by February 15, May 15, August 15 and November 15 of each year and shall cover the data obtained during the previous calendar quarter.

Beginning on February 15, 1990 and thereafter these quarterly reports shall include a calculation of the total hydrocarbon emissions from this source for the previous 12 consecutive month period. This calculation shall be based on the actual monitoring data collected during the previous 12 month period except where noted above for when the Miran 981 stack gas analyzer is not operating.

2. Kapton Line 1 (P001) at this facility shall not exceed an emission rate of 68.5 lbs hydrocarbons per hour as a 24 hour average. In addition, the total emissions from Kapton Line 1 shall be limited to 150 tons of hydrocarbons for any rolling 12 month period.

The installation of recycled air on Kapton Line 2 (P015) and reduction in hydrocarbon emissions from Kapton Line 1 will result in a net decrease of 42 tons of hydrocarbon emissions per year. Combined with increases and decreases in hydrocarbon emissions at the facility over the last 5 years, total hydrocarbon emissions is predicted to decrease 23.4 tons per year during that period. Therefore, Kapton Line 2 (P015) has "netted out" of the need for a Prevention of Significant Deterioration review for hydrocarbon emissions.

ADDITIONAL SPECIAL TERMS AND CONDITIONS CONTINUED

3. For the purpose of determining compliance with the 24 hour average hydrocarbon emission limit for Kapton Line 1, it shall be assumed that 1.5 lbs hydrocarbons per hour as a 24 hour average is emitted from the Kapton Line 1 chemical processing operations and tank truck loading station.

In addition, the rolling 12-month hydrocarbon emissions from the Kapton Line 1 chemical processing area and tank truck loading station shall be assumed to be 0.75 lbs per hour and 3.3 ton per year as determined by engineering calculations.

Kapton Line 1 oven emissions shall be limited to 67.0 lbs hydrocarbons per hour as a maximum 24 hour average and 33.4 lbs of hydrocarbons per hour per rolling 12-month period (146.7 tons/year).

4. For the purpose of determining compliance with the 24 hour average hydrocarbon emission limit for Kapton Line 2, it shall be assumed that 1.0 lb hydrocarbon per hour as a 24 hour average is emitted from the Kapton Line 2 chemical processing operations.

In addition, the rolling 12-month hydrocarbon emissions from the Kapton Line 2 chemical processing area shall be assumed to be 0.5 lb per hour and 2.2 tons per year as determined by engineering calculations.

Kapton Line 2 oven emissions shall be limited to 67.5 lbs hydrocarbons as a maximum 24 hour average and 33.7 lbs of hydrocarbons per hour per rolling 12-month period (147.8 tons/year).