

Intermat)	Departmental
York County)	Findings of Fact and Order
Biddeford, Maine)	Air Emission License
A-302-71-K-M)	Amendment #4

After review of the air emissions license minor revision request, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

Intermat of Biddeford, Maine has submitted a minor revision request to correct the information submitted regarding the size of the small retort atmospheric carbonizer proposed to be installed at the facility.

Air Emission License A-302-71-G-R was issued on June 19, 2000, permitting the operation of emission sources associated with Intermat's carbon composite manufacturing facility. The license was subsequently amended on January 8, 2001 (A-302-71-H-M), January 22, 2003 (A-302-71-I-M), and October 8, 2003 (A-302-71-J-M).

II. MINOR REVISION DESCRIPTION

Intermat received a minor revision to its air emission license allowing the installation of a small retort atmospheric carbonizer, pit type electrical retort furnace at its facility in Biddeford. The decision on the exact furnace had not yet been made at the time the minor revision was requested, but it was estimated that the furnace would not be larger than 20" in diameter by 36" in height. Upon further research, the equipment being considered normally has a heavy steel fixturing that would reduce the working zone of the oven, however this steel is not needed for the oven at Intermat. The oven actually has a working zone of 26" in diameter and 52" high.

Currently Intermat operates one atmospheric carbonizer (35.5" diameter by 79" tall) which exhausts to an incinerator. Fiber matrixes that have been impregnated with pitch are heated in the carbonizer and hydrocarbons emitted from the carbonizing process are controlled by the incinerator. The proposed second, smaller carbonizer is to be installed next to the existing atmospheric carbonizer and will exhaust into the existing incinerator. Intermat is proposing to operate only one of the carbonizers at a

time, with no increase in licensed emissions. The smaller carbonizer can be used when the process does not require the larger unit to be used.

The Department approves the installation and operation of an atmospheric carbonizer with dimensions of 26" diameter by 52" high since the new unit does not change the process or the emissions from the facility, it is smaller than the existing unit, it will only be operated if the existing larger unit is off-line, and it will be controlled by the existing incinerator.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-302-71-K-M subject to the conditions found in Air Emission License A-302-71-G-R and subsequent amendments A-302-71-H-M and A-302-71-I-M, A-302-71-J-M, in addition to the following conditions:

The following shall replace condition (28) in air emission license amendment A-302-71-J-M:

(28) Atmospheric Carbonizer #2

- A. Intermat may install and operate a second retort atmospheric carbonizer that shall be exhausted to the incinerator currently serving the existing atmospheric carbonizer. The incinerator shall be operated for the entire duration of the carbonization process. A log or record shall be maintained documenting compliance of incinerator use when the carbonizer #2 is operating.
- B. Atmospheric carbonizer #2 shall have a maximum nominal process load working zone equal to or less than a 26" diameter and a height of 52" and a raw material process rate of no more than 480 lb/48 hrs. Intermat shall maintain a log or records documenting compliance with the raw material process rate.
- C. Intermat shall operate the atmospheric carbonizer #2 only when the existing atmospheric carbonizer is off-line. At no time shall the two

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carbonizers be operated simultaneously. Intermat shall maintain records documenting compliance with the single unit operational restriction.

[MEDEP Chapter 115, BACT]

New Conditions

(30) This amendment shall expire concurrently with Air Emission License A-302-71-G-R. [MEDEP Chapter 115]

DONE AND DATED IN AUGUSTA, MAINE THIS DAY OF 2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: _____
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: October 16, 2003

Date of application acceptance: October 16, 2003

Date filed with the Board of Environmental Protection: _____

This Order prepared by Kathleen E. Molokie, Bureau of Air Quality.