



Ministry  
of the  
Environment

Ministère  
de  
l'Environnement

CERTIFICATE OF APPROVAL  
AIR  
NUMBER 0105-5JEM3A

Fielding Chemical Technologies Inc.  
839 Central Parkway West  
Mississauga, Ontario  
L5C 2V9

Site Location: 3549 Mavis Road  
Mississauga City, Regional Municipality Of Peel

*You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:*

- the processing (re-distilling) of crude material containing N-Ethyl pyrrolidone, generated from pharmaceutical industry, utilizing the existing solvent recovery equipment consisting of kettle, distillation still, condensor, and vacuum receiver, and three (3) storage tanks, for the storage of isoamyl alcohol, n-ethyl pyrrolidone, and methylene chloride(TK D), having a processing capacity of 6,800 kilograms of crude N-Ethyl pyrrolidone per batch and having a maximum batch duration of 35 hours, operating in a closed system. The three (3) storage tanks vent to the atmosphere through three (3) identical activated carbon adsorption units, each containing 180 kilograms of activated carbon, and each exhausting to the atmosphere at a maximum volumetric flow rate of 0.004 actual cubic metres per second at ambient temperature, through a stack, having an exit diameter of 0.05 metre, extending 1.7 metres above grade;

all in accordance with the Application for a Certificate of Approval (Air), submitted by Fielding Chemical Technologies Inc., dated October 25, 2002, signed by Craig Wickett, all supporting information including facsimile transmittal from Craig Wickett of Fielding Chemical Technologies Inc. to the Ontario Ministry of the Environment dated January 14, 2003. Facsimile transmittals from Jeff Burdon of Stantec Consulting Ltd. to the Ontario Ministry of the Environment dated November 27, 2002, January 23, 2003 and January 29, 2003.

*For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:*

- (1) "Act" means the *Environmental Protection Act*;
- (2) "Certificate" means this Certificate of Approval, issued in accordance with Section 9 of the Act;
- (3) "Company" means Fielding Chemical Technologies Inc.;
- (4) "Equipment" means the three (3) activated carbon adsorption units, described in this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;
- (5) "Exhausted" means the capacity of the Equipment to adsorb emissions is reached and the Equipment is no longer able to effectively reduce emissions;
- (6) "Manual" means a document or a set of documents that provide written instructions to staff of the Company; and
- (7) "Ministry" means the Ontario Ministry of the Environment.

*You are hereby notified that this approval is issued to you subject to the terms and conditions outlined below:*

TERMS AND CONDITIONS

**OPERATION AND MAINTENANCE**

1. The Company shall ensure that the Equipment is properly operated and maintained at all times. The Company shall:

(1) Prepare, before commencement of operation of the Equipment and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including;

(a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the Equipment suppliers;

(b) emergency procedures;

(c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

(2) Implement the recommendations of the operating and maintenance Manual; and

(3) Retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment and make these records available for review by staff of the Ministry upon request.

2. The Company shall ensure that the activated carbon in the Equipment is replaced before it is Exhausted.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition Nos.1 and 2 are included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the Regulations and this Certificate.

In addition the Company is required to keep records and to provide information to staff of the Ministry so that compliance with the Act, the regulations and this Certificate can be verified.

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:*

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

CONTENT COPY OF ORIGINAL

The Secretary\*  
Environmental Review Tribunal  
2300 Yonge St., 12th Floor  
P.O. Box 2382  
Toronto, Ontario  
M4P 1E4

AND

The Director  
Section 9, *Environmental Protection Act*  
Ministry of Environment and Energy  
2 St. Clair Avenue West, Floor 12A  
Toronto, Ontario  
M4V 1L5

\* **Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at:  
Tel: (416) 314-4600, Fax: (416) 314-4506 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

*The above noted works are approved under Section 9 of the Environmental Protection Act.*

DATED AT TORONTO this 4th day of February, 2003

Victor Low, P.Eng.  
Director  
Section 9, *Environmental Protection Act*

ST/  
c: District Manager, MOE Halton-Peel  
Patricia Wang Ah Fat, Stantec Consulting Limited