



Ministry
of the
Environment

Ministère
de
l'Environnement

AMENDED CERTIFICATE OF APPROVAL
AIR
NUMBER 2115-4Y4SYS

Algoods Inc.
operating as Tower Automotive
158 Sterling Road
Toronto, Ontario
M6R 2B8

Site Location: 158 Sterling Road
Toronto City,
M6R 2B8

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

- one (1) 15 tonne capacity casting furnace exhausting through a stack, having an exit diameter of 1.25 metres, extending 20.1 metres above grade;
- one (1) 16 tonne capacity casting furnace exhausting through a stack, having an exit diameter of 1.25 metres, extending 20.1 metres above grade;
- one (1) 8.17 tonne capacity melting furnace exhausting through a stack, having an exit diameter of 1.1 metres, extending 15.34 metres above grade;
- one (1) annealing furnace equipped with burners firing natural gas at maximum thermal input of 185,000 kilojoules per hour exhausting through a stack, having an exit diameter of 1.1 metres, extending 15.34 metres above grade; and
- one (1) annealing furnace equipped with burners firing natural gas at maximum thermal input of 4,750,000 kilojoules per hour discharging to a thermal incinerator equipped with one (1) natural gas-fired burner in the secondary chamber having a maximum heat input of 2,370,000 kilojoules per hour exhausting through a stack, having an exit diameter of 0.81 metre, extending 35.5 metres above grade and 19.2 metres above the roof;
- change in the degassing operation in the aforementioned casting furnaces from batch mode to continuous mode by the injection of a special gas instead of using the D3P degassing pills operation;
- change from the use of AP2 fluxing chemical to two Wedron fluxing materials, identified as ECOFLUX 142 and WFEI 142 or equivalent;

all in accordance with the five applications for a Certificate of Approval (Air) and supporting information submitted by Algoods Inc., signed by P. Evans and dated January 24, 1991; the application for Certificate of Approval (Air) submitted by Algoods Inc., dated April 20, 1994 and signed by W. Allan, Fenco MacLaren Inc; and correspondence from P. Evans, Algoods Inc. to Fenco MacLaren Inc., dated April 27, 1994; the application for Certificate of Approval (Air) submitted by Algoods Inc. (formerly Algoods, Division of Alcan Aluminum Limited), dated February 7, 1997 and signed by C.W. Fulton; the application for Certificate of Approval (Air) submitted by Algoods Inc. (formerly Algoods, Division of Alcan Aluminum Limited), dated August 13, 1997 and signed by C.W. Fulton, the application dated May 3, 2001 and signed by Clancy Fulton, for amendment of Certificate of Approval (Air) No. 8-3042-91-978, and supporting information associated with the application.

SCHEDULE "A"

Schedule "A" forms part of this Certificate of Approval (Air)

PARAMETER: Temperature

LOCATION:

The sample point for the continuous temperature monitor shall be located at a point representative of the actual temperature of the gases leaving the thermal incinerator.

PERFORMANCE:

The continuous temperature monitor shall meet the following minimum performance specifications for the following parameters.

PARAMETERS SPECIFICATION

1. Type: shielded "K" type thermocouple, or equivalent.
 2. Accuracy: ± 1.5 percent of the minimum gas temperature
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DATA RECORDER:

The data recorder must be capable of registering continuously the measurement of the monitor without a significant loss of accuracy and with a time resolution of 1 minutes or better.

RELIABILITY:

The monitor shall be operated and maintained so that accurate data is obtained during a minimum of 95 percent of the time for each calendar quarter.

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, including Schedule "A", issued in accordance with Section 9 of the Act;
- (3) "Company" means Algoods Inc.;
- (4) "Equipment" means the furnaces described in the Company's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate;
- (5) "Thermal Incinerator" means the thermal incinerator serving the annealing oven described in the Company's application, this Certificate and in the supporting documentation submitted with the application, to the extent approved by this Certificate; and
- (6) "Ministry" means 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 at all times. The Company shall:
 - (1) ensure that no cadmium is charged into any of the furnaces at the Facility;
 - (2) ensure that the temperature of the undiluted gas emitted from the Thermal Incinerator shall not be less than 760 degrees Celsius;
 - (3) prepare, not later than three (3) months after the 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) procedures for fluxing and degassing that restrict the rate of use and type of flux or degassing agent employed in the process to reduce emissions in accordance with existing documented procedures;
 - (4) implement the recommendations of the operating manual; and
 - (5) retain, for a minimum of two (2) years from the date of their creation, all records on the operation and maintenance of the Equipment and make the records available for inspection by staff of the Ministry.

TEMPERATURE MONITORING

2. The Company shall install, conduct and maintain a program to continuously monitor the temperature in the undiluted flue gas leaving the Thermal Incinerator. The continuous monitoring system shall be equipped with continuous recording devices and shall comply with the requirements outlined in the attached Schedule "A".

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

OPERATION AND MAINTENANCE

1. Condition No. 1 is included on the Certificate 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 to assist the Ministry in determining whether or not the Equipment is being inspected and maintained as required by the Act, the regulations and this Certificate.

MONITORING

2. Condition No. 2 is included to require the Company to gather accurate information so that the environmental impact and subsequent compliance with the Act, the regulations and this Certificate can be verified.

This Certificate of Approval revokes and replaces Certificate(s) of Approval No. 8-3042-91-978 issued on October 20, 1997.

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, the Environmental Appeal Board and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Board. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. 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:

CONTENT COPY OF ORIGINAL

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:

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

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

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

*** Further information on the Environmental Appeal Board's requirements for an appeal can be obtained directly from the Board at:
Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.

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

DATED AT TORONTO this 13th day of July, 2001

Zarko Tesic, P.Eng.
Director
Section 9, *Environmental Protection Act*

AH/
c: District Manager, MOE Toronto - District
You-Zhi Tang, SNC-Lavalin Engineering & Constructors Inc.