



State of Ohio Environmental Protection Agency

STREET ADDRESS:

1800 WaterMark Drive  
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049  
Columbus, OH 43216-1049

Re: Permit to Install  
Noble County  
Application No: 06-5146

CERTIFIED MAIL

June 25, 1997

INTERNATIONAL CONVERTOR, INC.  
JEFFRIE D' COSTA  
17153 C.R. 57  
CALDWELL, OH 43724

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Board of Review pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Board of Review within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations & Permit Section  
Division of Air Pollution Control

cc: US EPA  
SOUTHEAST DISTRICT OFFICE, DAPC

George V. Voinovich, Governor  
Nancy P. Hollister, Lt. Governor  
Donald R. Schregardus, Director



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## Permit to Install Terms and Conditions

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Application No. 06-5146  
APS Premise No. 0661000027  
Permit Fee: \$200.00

Name of Facility: INTERNATIONAL CONVERTOR, INC.

Person to Contact: JEFFRIE D'COSTA

Address: 17153 C.R. 57  
CALDWELL, OH 43724

Location of proposed source(s): 17153 C.R. 57  
CALDWELL, OHIO

Description of proposed source(s):  
#3 FLEXOGRAPHIC PRINTING PRESS.

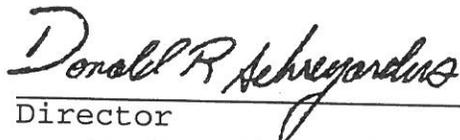
Date of Issuance: June 25, 1997

Effective Date: June 25, 1997

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

**TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 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.

**NOTICE OF INSPECTION**

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, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

**CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the 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 Ohio Administrative Code (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)

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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 cannot meet applicable standards.

#### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

#### **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.

#### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

#### **BEST AVAILABLE TECHNOLOGY**

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.

#### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

#### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

INTERNATIONAL CONVERTOR, INC.

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**AIR EMISSION SUMMARY**

The air contaminant sources listed below comprise the Permit to Install for INTERNATIONAL CONVERTOR, INC. located in Noble County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
K008	#3 flexo-graphic printing press	Use of waterborne coatings only.	3745-31-05 (A) (3) 3745-21-09 (Y) (1) (a) (ii) 3745-21-09 (B) (3) (f)	Maximum hourly emissions of VOC shall be limited to 3.0 lbs. The VOC content of coatings and inks employed shall not exceed 25% VOC by volume. See recordkeeping requirements.

**SUMMARY**

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
VOC	7.63

**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.

**MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

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**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the OEPA Southeast District Office - DAPC, 2195 Front Street, Logan, Ohio 43138.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

**AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

**CONSTRUCTION COMPLIANCE CERTIFICATION**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**A. Recordkeeping Requirements:** as per OAC 3745-21-09 (B)(3)(f)

1. International Convertor, Inc. shall collect and record the following information each month and maintain the information at the facility for a period of three years:
  - a. the name and identification number of each coating, as applied; and,
  - b. the mass of VOC per volume each coating (excluding water and exempt solvents), as applied.

This information does not have to be kept on a line-by-line basis. Also, if International Convertor, Inc. mixes complying coatings at a coating line, it is not necessary to record the VOC content of the resulting mixture.

**B. Reporting Requirement:**

1. International Convertor, Inc. shall submit written reports of (a) any deviations (excursions) from emission limitations or operational restrictions, (b) the probable cause of such deviations, and (c) any corrective actions

INTERNATIONAL CONVERTOR, INC.

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or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA Southeast District Office within 30 days of discovery.

Facility Name: INTERNATIONAL CONVERTOR

COPY

Permit to Install Tracking				
Submittal Type	Date Rec'd From Company	Date Returned to Company	# Days @ DO/LAA	Comment/Reason not Complete
Original submittal	4/29/97	5/5/97	7	PTI QUESTIONS UNANSWERED
From First Return	5/16/97			
From Second Return				
From Third Return				
Date Complete	5/16/97			
Date Submitted to CO				
Date Rec'd PMU				
Date Rec'd NSR				
Ret to DO/LAA				
Date Rec'd PMU				
Total Days				

DO/LAA Review Engineer Signature Daniel J. Carter 5/28/97

Program Check-offs (AQM&P Section only)

- Major Stationary Source
- PSD
- Netting
- Offsets
- Synthetic Minor
- CEM
- Modeling Submitted
- NSPS \_\_\_\_\_
- NESHAPS \_\_\_\_\_
- Toxic Review

AQM&P Section Sign-Off

Hold: \_\_\_\_\_ Date: \_\_\_\_\_

Reason: \_\_\_\_\_

Approve: \_\_\_\_\_ Date: \_\_\_\_\_

CENTRAL OFFICE USE ONLY

APS Permit No. 0661000027

Issuance Date: \_\_\_\_\_

PTI Application No. 06-5146

Effective Date: \_\_\_\_\_

Fee \$200.00

PERMIT TO INSTALL WORKSHEET

1. TYPE OF SOURCE: Check as applicable:

X AIR - Major Source? YES X NO - Was a New Source Review Data Sheet (for modeling) submitted to APC for this source?

NSPS PSD CEM NESHAPS Emission Offsets Category

WATER - Pertains to Sewers Waste Water Treatment Industrial Facility SOLID WASTE HAZARDOUS WASTE DISPOSAL FACILITY - Is a HWFAB Permit required? YES NO

2. Check One: X APPROVAL DENIAL

3. FACILITY NAME: International Convertor, Inc.

4. APPLICANT/PERSON TO CONTACT: Mr. Jeffrie D'Costa PHONE (614) 732-5665

5. MAILING ADDRESS: (Street) 17153 C.R. 57 (City) Caldwell (State) Ohio (Zip) 43724

6. LOCATION OF PROPOSED SOURCE: Always complete b (city or township) and c (county). Specific a. Street Address or Location Description 17153 C.R. 57

b. City/Township Caldwell

c. County/Counties Noble

d. Sewer District, if applicable

7. DESCRIPTION OF PROPOSED SOURCE (Max. 120 Characters)

Table with 120 columns for character description of the proposed source.

8. DATE COMPLETE APPLICATION RECEIVED: 5/12/97



Preliminary           Final

1. CONSTRUCTION STATUS (do not use with #2, 3A or 3B)  
source name: K008 #3 Flexographic Printing Press

2. NSPS REQUIREMENTS  
source #: source description : NSPS subpart:

3A. NESHAP REQUIREMENTS  
source #: source description : NESHAP reg:

3B. RADIONUCLIDES NESHAP REQUIREMENTS:  
source #: source description:

4. PERFORMANCE TEST REQUIREMENTS:  
C. (optional) source: Pollutant(s):  
D. (optional) Test shall include a determination of the uncontrolled mass rate of emissions.

5. MONITORING REQUIREMENTS:  
type of monitor: source:

6. PSD REQUIREMENTS:

7. APPENDIX S - EMISSION OFFSET INTERPRETIVE RULING:

8. RECORDS RETENTION AND AVAILABILITY:

9. REPORTING REQUIREMENTS:

10. WASTE DISPOSAL:

11. MAINTENANCE OF EQUIPMENT:

12. MALFUNCTION/ABATEMENT:

13. AIR POLLUTION NUISANCES PROHIBITED:

14. NINETY DAY OPERATING PERIOD:

15. GASOLINE DISPENSING FACILITIES:

16. DIESEL AND/OR KEROSENE DISPENSING FACILITIES:

17. GASOLINE DISPENSING OPERATIONS (SUBMERGED FILL ONLY)  
annual limit of throughput (gallons):

18. MISC. STORAGE TANKS:

19. NSPS SUBPART Kb, 40 CFR 60.116b (a) AND (b)  
source number(s): tank size max vapor pressure

In Addition:

A. 40 CFR 60.116b (a) and (c):  
source number(s): tank size max vapor pressure

B. 40 CFR 60.116b (a) and (d):  
source number(s): tank size max vapor pressure

C. other applicable rules \_\_\_\_\_:  
source number(s): tank size max vapor pressure

20. BAT FOR OPEN TOP VAPOR DEGREASERS:

21. BAT FOR COLD CLEANERS:

22. BAT FOR CONVEYORIZED DEGREASERS:

23. NOTICE OF INTENT TO RELOCATE:

24. ADDITIONAL TERMS AND CONDITIONS:      X AIR      DSHWM      WW

**AIR EMISSION SUMMARY**

The air contaminant sources listed below comprise the Permit to Install for International Converter, Inc. located in Noble County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source Number	Source Identification / Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions and/or Control & Usage Requirements
K008	#3 Flexographic Printing Press	Use of Waterborne Coatings Only.	3745-31-05 (A)(3)  3745-21-09 (Y)(1)(a)(ii)  3745-21-09 (B)(3)(f)	Maximum hourly emissions of VOC Shall be limited to 3.0 lbs. The VOC content of coatings and inks employed shall not exceed 25% VOC by Volume. See Recordkeeping Requirements.

**SUMMARY  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

Pollutant	Tons/Year
VOC	7.63

Facility cap. of 249.0 Tons per year based on a rolling 12 month calculation shall be maintained.  
Facility cap. established under PTI # 06-4083.

**ADDITIONAL SPECIAL TERMS AND CONDITIONS:**

1. **RECORDKEEPING REQUIREMENTS:** as per OAC 3745-21-09(B)(3)(f)

International Convertor, Inc. shall collect and record the following information each month and maintain the information at the facility for a period of three years:

- (i) The name and identification number of each coating, as applied.
- (ii) The mass of VOC per volume each coating (excluding water and exempt solvents), as applied.

This information does not have to be kept on a line-by-line basis. Also, if International Convertor, Inc. mixes complying coatings at a coating line, it is not necessary to record the VOC content of the resulting mixture.

2. **REPORTING REQUIREMENT:**

International Convertor, Inc. shall submit written reports of (a) any deviations (excursions) from emission limitations or operational restrictions, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA Southeast District Office within 30 days of discovery.

**NEW SOURCE REVIEW FOP B**

PTI NO.: 06-5146

PREMISE NO.: 0661000027

FACILITY NAME: INTERNATIONAL CONVERTOR

COUNTY: NOBLE

FACILITY DESCRIPTION: PRINTING, FOIL LAMINATING

CITY/TWP.: CALDWELL

SIC CODE: 2751

SCC CODE: 4-05-003-12 Flexographic: General

SOURCE DESCRIPTION: #3 FLEXOGRAPHIC PRINTING PRESS

START-UP DATE: PENDING PTI

**EMISSIONS:**

Pollutants	Air Quality Designation	Actual Emissions		PTI Allowable Emissions	
		lb/hr. etc.	TPY	lb/hr. etc.	TPY
Particulate Matter	Attainment				
PM <sub>10</sub>	Attainment				
Sulfur Dioxide	Attainment				
Organic Compounds	Attainment	3.0	7.63	3.0	7.63
Nitrogen Oxides	Attainment				
Carbon Monoxide	Attainment				
Lead	Attainment				
Other: Air Toxics (see below)	Unclassified				

APPLICABLE FEDERAL RULES:  NSPS  NESHAP  PSD  OFFSET POLICY  
WHAT IS THE BAT DETERMINATION AND WHAT IS THE BASIS FOR THE DETERMINATION?

Use of water-borne coatings only. Maintenance of 249 TPY facility emissions cap established under PTI 06-4083.

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT:

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?  Yes  No

(If yes, complete "Toxic Air Contaminants" section)

NAME OF PERSON COMPLETING FORM AND DATE: Daniel J. Canter 5/28/97

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

WAS AIR TOXICS MODELING PERFORMED?  YES  NO

(IF YES, ATTACH MODELING RESULTS; IF NO, ATTACH NEW SOURCE CODING FORM)

IDENTIFY AIR CONTAMINANTS:

ENGINEERING REVIEW FORM

HYDROCARBON EMITTING SOURCE

(other than fuel burning equipment/incinerator)

- (1) Facility name: International Converter
- (2) Description of source: Flexographic Printing Press #3
- (3) Year installed: 1997 Year modified: NA
- (4) Permit application number: 0661000027 K008
- (5) Most recent permit action (complete below):
  - Type of permit: PVI
  - Status: Pending
  - Effective date: NA Expiration date: ---
- (6) Identify regulation(s) governing this source and briefly describe pertinent requirements and exemptions. 3745-20-09 (4)
- (7) Describe current control equipment or control measures. Use of Waterborne Coatings
- (8) If source is on a compliance schedule, describe control strategy and indicate date of final compliance. NO
- (9) If source is governed by a mass emission rate or percent control requirement, provide estimate of actual mass emission rate or percent control and state basis for estimate. NO
- (10) Date of last emissions test: NA  
Describe test and source operation during test:
- (11) Date of last inspection: 2/5/97
- (12) Describe any recorded violation and enforcement action or warning for the past three years. If enforcement action or warning was issued, describe results. NA
- (13) Is source under permit review? Yes Type of permit: PVI
- (14) Comments: PVE Codes included with App  
3#/Hr Max 7.63 TPA
- (15) Name of person completing form: Daniel J. Crute 5/28/97

PTI Number: 20-5146 Facility Name Int'l Converter

     Preliminary   X   Final

1. CONSTRUCTION STATUS (do not use with #2, 3A, or 3B)  
source name: K008 #3 Flexographic Printing Press

2. NSPS REQUIREMENTS  
source #:                      source description:                      NSPS subpart:

3A. NESHAP REQUIREMENTS:  
source #:                      source description:                      NESHAP reg.:

3B. RADIONUCLIDES NESHAP REQUIREMENTS:  
source #:                      source description:

4. PERFORMANCE TEST REQUIREMENTS:  
C. (optional) source:                      Pollutant(s):  
D. (optional) Tests shall include a determination of the uncontrolled mass rate of emissions.

5. MONITORING REQUIREMENTS:  
type of monitor:                      source:

6. PSD REQUIREMENTS:

7. APPENDIX S - EMISSION OFFSET INTERPRETIVE RULING:

8. RECORDS RETENTION AND AVAILABILITY:

9. REPORTING REQUIREMENTS:

10. WASTE DISPOSAL:

11. MAINTENANCE OF EQUIPMENT:

12. MALFUNCTION/ABATEMENT:

13. AIR POLLUTION NUISANCES PROHIBITED:

14. NINETY DAY OPERATING PERIOD:

15. GASOLINE DISPENSING FACILITIES:

16. DIESEL AND/OR KEROSENE DISPENSING FACILITIES:

17. GASOLINE DISPENSING OPERATIONS (SUBMERGED FILL ONLY)  
annual limit of throughput (gallons):

18. MISC. STORAGE TANKS:

19. NSPS SUBPART Kb, 40 CFR 60.116b(a) AND (b)  
source number(s):                      tank size                      max vapor pressure

In Addition:

A. 40 CFR 60.116b(a) and (c):  
source number(s):                      tank size                      max vapor pressure

B. 40 CFR 60.116b(a) and (d):  
source number(s):                      tank size                      max vapor pressure

C. other applicable rules \_\_\_\_\_:  
source number(s):                      tank size                      max vapor pressure

20. BAT FOR OPEN TOP VAPOR DEGREASERS:

21. BAT FOR COLD CLEANERS:

22. BAT FOR CONVEYORIZED DEGREASERS:

23. NOTICE OF INTENT TO RELOCATE:

24. ADDITIONAL TERMS AND CONDITIONS:  AIR     DSHWM     WW

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for International Converter Inc. located in Noble County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification/Description</u>	<u>BAT Determination</u>	<u>Applicable Federal and OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control &amp; Usage Requirements</u>
K008	#3 Flexographic Printing Press	Use of Waterborne coatings only.	3745-31-05 (A)(3) <del>3745-21-09(4)</del>	Maximum hourly emissions of VOC shall be limited to 3.0 lbs. 3745-21-09(4)(1)(a)(ii) The VOC content of coatings and inks employed shall not exceed 25% VOC by Volume. 3745-21-09(B)(3)(A) See Recordkeeping Requirements

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
VOC	7.63

Facility cap of 249.0 Tons per year based on a rolling 12 month calculation shall be maintained. Facility Cap established under P.T.I # 06-4083.

CENTRAL OFFICE USE ONLY

Issuance Date: \_\_\_\_\_

Effective Date: \_\_\_\_\_

APS Premise No. 0661000027

PTI Application No. 06-5146

Fee \$200

PERMIT TO INSTALL WORKSHEET

1. TYPE OF SOURCE: Check as applicable:

AIR - Major Source?  YES  NO - Was a New Source Review Data Sheet (for modeling) submitted to APC for this source?  YES  NO

NSPS Category  PSD  CEM  NESHAPS Category  Emission Offsets

WATER - Pertains to  Sewers  Wastewater Treatment  Industrial Facility

SOLID WASTE

HAZARDOUS WASTE DISPOSAL FACILITY - Is a HWFAB Permit required?  YES  NO

2. Check one:  APPROVAL  DENIAL

3. FACILITY NAME: International Converter, Inc.

4. APPLICANT/PERSON TO CONTACT Mr. Jeffrey D'Costa PHONE (614) 732-5665

5. MAILING ADDRESS: (Street) 17153 C.R. 57  
(City) Caldwell (State) OH (Zip) 43724

6. LOCATION OF PROPOSED SOURCE: Always complete b (city or township) and c (county).

Specific  
a. Street Address or Location Description 17153 C.R. 57

b. City/Township Caldwell

c. County/Counties Noble

d. Sewer District, if applicable NA

7. DESCRIPTION OF PROPOSED SOURCE (Max. 120 characters)

#	<u>3 Flexographic Printing Press</u>

8. DATE COMPLETE APPLICATION RECEIVED: 5/12/97

PERMIT TO INSTALL DISTRIBUTION SHEET  
 INDICATE BELOW TO WHOM COPIES ARE TO BE SENT

Applicant's Mailing Address	PERMIT	REPORT	PLANS	DATA SHEETS
PERSON TO CONTACT <i>Mr. Jeffrie D'Costa</i>				
APPLICANT <i>International Converter, Inc.</i>	X			
STREET <i>17153 C.R. 57</i>				
CITY <i>Caldwell</i>				
STATE <i>OH</i>				
ZIP <i>43724</i>				
Copy to:	X			
Copy To:	X			
Copy To:	X			
Copy To:	X			
Local Air Agency _____	X			
District Office NEDO ___ NWDO ___ CDO ___ SEDO ___ SWDO ___	X			
Central Office DAPC <input checked="" type="checkbox"/> DWPC ___ DLPC ___ DHMM ___	X			



INTERNATIONAL  
CONVERTER, INC.

May 15, 1997

Mr. Daniel J. Canter  
Ohio Environmental Protection Agency  
Southeast District Office  
2195 Front Street  
Logan, OH 43138

Dear Mr. Canter:

As per your letter of 5/5/97, question #3, the addition of the proposed equipment will not exceed the facility cap of 249 TPY.

Also enclosed, please find the application for permit to install. If you have any questions, please contact me at the number listed below.

Sincerely,

A handwritten signature in black ink that reads "Jeff D'Costa". The signature is written in a cursive, somewhat stylized script.

Jeff D'Costa  
Manager, Corporate Engineering

SEDO MULTI-MEDIA PERMIT TO INSTALL OR PLAN APPROVAL INPUT FORM

NOTIFICATION DATE: 5/16/97  
TO: SEDO UNIT SUPERVISORS  
FROM: BRENDA WADSWORTH  
SUBJECT: Recently Received PTI or Plan Approval Application

DATE RECEIVED: 4/29/97

APPLICATION TYPE: DAPC DSW DSIWM DDAGW  
(circle one or more)

APPLICATION NO: 06-5146  
FACILITY NAME: International Converter, Inc  
FACILITY CONTACT NAME: Jeffrey D'Costa  
FACILITY CONTACT PHONE NO: 614-732-5665  
PROJECT DESCRIPTION: Alexo Sreeter

LOCATION (include county): 17153 Co Rd 57  
Caldwell / Noble Co

INPUT DUE DATE: Please complete the remaining portion of this input form and return to  
J Flengelhofer by 5/23/97  
(Unit Supervisor) (Within one week of notification date)

1. Does your division need to be involved in the issuance of this PTI or Plan Approval? Yes or No  
(circle one)

2. If so, what kind of involvement do you recommend? (circle one)  
combined PTI                      standard or special conditions                      coordination only

3. Name: Steven J. Sainer Division DDAGW/GW

Note: If a multi-media PTI or Plan Approval is recommended the affected division staff should meet to coordinate. The appropriate Unit Supervisors or the Assistant District Chief can be consulted to help coordinate if necessary. Also, please let Brenda know if there will be a combined PTI. DAPC should coordinate with Local Air Agencies as necessary.

SEDO MULTI-MEDIA PERMIT TO INSTALL OR PLAN APPROVAL INPUT FORM

NOTIFICATION DATE: 5/16/97  
TO: SEDO UNIT SUPERVISORS  
FROM: BRENDA WADSWORTH  
SUBJECT: Recently Received PTI or Plan Approval Application

DATE RECEIVED: 4/29/97

APPLICATION TYPE: DAPC DSW DSIWM DDAGW  
(circle one or more)

APPLICATION NO: 06-5146  
FACILITY NAME: International Converter, Inc  
FACILITY CONTACT NAME: Jeffrie D'Costa  
FACILITY CONTACT PHONE NO. 614-732-5665  
PROJECT DESCRIPTION: Alexo Sheeter

LOCATION (include county): 17153 Co Rd 57  
Caldwell / Noble Co

INPUT DUE DATE: Please complete the remaining portion of this input form and return to  
J. Hengelhofer by 5/23/97  
(Unit Supervisor) (Within one week of notification date)

1. Does your division need to be involved in the issuance of this PTI or Plan Approval? Yes or No  
(circle one)

2. If so, what kind of involvement do you recommend? (circle one)

combined PTI                      standard or special conditions                      coordination only

3. Name: ICD Division DERIR

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(circle one)

2. If so, what kind of involvement do you recommend? (circle one)  
combined PTI                      standard or special conditions                      coordination only

3. Name: JH Division SAH

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(circle one)

2. If so, what kind of involvement do you recommend? (circle one)

combined PTI                      standard or special conditions                      coordination only

3. Name: San L. Fleeting Division Surface Water

Note: If a multi-media PTI or Plan Approval is recommended the affected division staff should meet to coordinate. The appropriate Unit Supervisors or the Assistant District Chief can be consulted to help coordinate if necessary. Also, please let Brenda know if there will be a combined PTI. DAPC should coordinate with Local Air Agencies as necessary.

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FACILITY CONTACT PHONE NO. 614-732-5665  
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Caldwell / Noble Co

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J Klingelhofer by 5/23/97  
(Unit Supervisor) (Within one week of notification date)

- 1. Does your division need to be involved in the issuance of this PTI or Plan Approval? Yes or No (circle one)  
(circle one)
- 2. If so, what kind of involvement do you recommend? (circle one)  
combined PTI                      standard or special conditions                      coordination only

3. Name: Michelle Woff Division DDAGW

Note: If a multi-media PTI or Plan Approval is recommended the affected division staff should meet to coordinate. The appropriate Unit Supervisors or the Assistant District Chief can be consulted to help coordinate if necessary. Also, please let Brenda know if there will be a combined PTI. DAPC should coordinate with Local Air Agencies as necessary.

06-5146



APR 29 11 13 AM '97

**MEMORANDUM**

**TO:** Mr. Daniel J. Canter, Environmental Specialist  
Ohio Environmental Protection Agency

**FROM:** Jeff D'Costa, Manager/Corporate Engineer

**RE:** Application for new Flexo Sleeter

**DATE:** April 28, 1997

APR 29 11 13 AM '97

Attached, please find a Permit to Install Application for the new flexo sleeter . If you need any additional information, please feel free to call me at the below reference number.

Thank you.

\*jd\*

Attachment(s)

cmt:OEPA0428.mem

FOR OFFICE USE ONLY: CHE APPROPRIATE BOX

- Air Discharge
- Water Discharge to New Source Treatment Works
- Solid Waste Disposal Facility
- Hazardous Waste Disposal Facility

FOR OFFICE USE ONLY

PTI Application No. 06-5146

Date Received 4/29/97

Premise No. \_\_\_\_\_

OHIO ENVIRONMENTAL PROTECTION AGENCY  
APPLICATION FOR PERMIT TO INSTALL

International Converter, Inc.

Applicant's Name

Noble Industrial Park 17153 CR 57

Mailing Address

<u>Caldwell</u>	<u>Noble</u>	<u>OH</u>	<u>43724</u>	<u>(614) 732-5665</u>
City	County	State	Zip	Telephone Number

<u>Jeffrie D'Costa</u>	<u>Manager, Corporate Engineer</u>	<u>(614) 732-5665</u>
Person to contact (Name and Title and Telephone Number)		

17153 CR 57

Location of Proposed Facility (specific street and number, ie. 555 E. Montroe St.)

<u>Caldwell</u>	<u>Noble</u>	<u>43724</u>	<u>2672</u>
City or Township	County	Zip Code	Standard Industrial Classification Code

Directions: A Permit to Install is required for new or modified source of pollution under the provisions of OAC Rule 3745-31. An application cannot be considered complete unless all applicable questions are answered and the required information has been submitted. This application must be signed in accordance with OAC Rule 3745-31-04(B) or it cannot be accepted.

Applications for permits involving air emissions or wastewater treatment facilities will be required to pay a permit to install fee as shown in Section 3745.11(B) and (C) of the Ohio Revised Code. This fee is payable thirty days after the date of final issuance of the permit.

Name of new or modified source or facility: 3

Product of new or modified source/facility: \_\_\_\_\_

Will the proposed source/facility involve any of the following: Check all that apply.

- A.  Air Discharge
- B.  Wastewater Treatment Works
- C.  Solid Waste Disposal Facility
- D.  Hazardous Waste Disposal Facility

Do you wish to request permit to install registration status via OAC 3745-31-05(E)?

yes  no

Under OAC 3745-31-04, These signatures shall constitute personal affirmation that all statements or assertions of fact made in the application are true and complete comply fully with applicable state requirements, and shall subject the signatory to liability under applicable state laws forbidding false or misleading statements.

*H.J. Tolant* 04/15/94  
Authorized Signature (for facility) Date

Treasurer  
\_\_\_\_\_  
Title

17153 CR 52 CALDWELL OH 43724  
Address

For Wastewater  
Treatment Plants

*[Signature]* \_\_\_\_\_  
Signature of General Contractor or Agent Date  
performing installation, if selected.

\_\_\_\_\_  
Company

\_\_\_\_\_  
Address  
\_\_\_\_\_

OHIO ENVIRONMENTAL PROTECTION AGENCY

INSTALLATION SCHEDULE

THIS FORM CONSTITUTES PART OF THE APPLICATION OF:

FACILITY NAME: International Converter, Inc.

ADDRESS: Noble Industrial Park 17153 CR 57

FOR A PERMIT TO INSTALL THE FOLLOWING AIR CONTAMINANT SOURCE:

IDENTIFICATION: Flexo #3

DESCRIPTION: Flexographic Printing Press

THE INSTALLATION OF THE ABOVE AIR CONTAMINANT SOURCE IS PLANNED TO FOLLOW THE TIME SCHEDULE DESCRIBED BELOW:

	<u>DATE</u>
1. EQUIPMENT ORDERED - - - - -	<u>March 15, 1997</u>
2. COMMENCE CONSTRUCTION - - - - -	<u>May 15, 1997</u>
3. STARTUP - - - - -	<u>June 15, 1997</u>
4. PERFORMANCE TESTING - - - - -	<u>July 15, 1997</u>

Note: If this source has already been installed then you must still fill out this form using the actual dates the above events occurred.

THE FOLLOWING INFORMATION MUST BE SUBMITTED ON A SEPARATE PIECE OF PAPER AND ATTACHED TO THIS APPLICATION.

FOR ALL PERMITS TO INSTALL

1. Describe the product or service to be produced by the applicant along with a description of the proposed source/facility.
2. List the name and quantity of all materials and chemicals (solid, liquid, or gaseous) that will be used or produced by the source/facility.
3. State the reason for the application. Is this a new installation, modification to an existing source/facility, reconstruction of an existing source/facility, or startup of a source/facility that has been permanently shutdown for \_\_\_\_\_ year?
4. Has a previous Ohio EPA application or plan submission been filed for this source/facility? If so, state the date and type of the application previously submitted.
5. Will the proposed source/facility comply with all rules, laws, and regulations of Ohio EPA and U.S. EPA?

FOR AIR POLLUTION SOURCES

6. State the amount of each air contaminant (actual emissions) from each source in pounds per hour and tons per year at maximum and average conditions.
7. Are the proposed sources required to comply with the following federal requirements?
  - i. New Source Performance Standards (NSPS)
  - ii. National Emission Standards for Hazardous Air Pollutants (NESHAPS)
  - iii. Prevention of Significant Deterioration (PSD)
  - iv. Appendix "S" - Emission Offset Policy
8. Will the proposed sources employ best available technology?
9. Will the proposed sources cause the significant degradation of air quality?
10. Will the proposed sources interfere with the attainment and maintenance of the ambient air quality standards?
11. Describe any source monitoring, emission monitoring, or control equipment monitoring devices to be installed by the applicant.
12. Will the proposed sources involve the use of asbestos, benzene, beryllium, mercury, or vinyl chloride?
13. Complete and attach an anticipated construction schedule for each proposed source.
14. Please include the estimated cost of any air pollution control equipment to be installed on the proposed sources.
15. An appendix for each air contaminant source must accompany this application. From the following description of the appendices, determine which should accompany your application.

- Appendix A - Process: sources not included in the other appendices.
- Appendix B - Fuel-Burning Equipment: for any furnace, boiler, apparatus, and all appurtenances thereto, used in the process of burning fuel with the primary purposes of producing heat or power by indirect heat transfer.
- Appendix C - Incinerator: for any equipment, machine, device, article, contrivance, structure or part of a structure used to burn refuse or to process refuse material by burning other than by open burning.
- Appendix D - Surface Coating or Printing Operation: for a surface coating operation not included under Appendix K or for a printing operation.
- Appendix E - Storage Tank: a storage tank for petroleum liquids.
- Appendix H - Gasoline Dispensing Facility: any site where gasoline is dispensed to motor vehicle gasoline tanks from stationary storage tanks.
- Appendix J - Loading Rack at a Bulk Gasoline Plant or Terminal: an operation for transferring gasoline to a delivery vessel.
- Appendix K - Surface coating line: a coating line consists of one or more coating applicators, flash-off areas or ovens to be used for the following: an automobile or light-duty truck assembly plant; can manufacturing; coil-coating; fabric coating; large appliance coating; magnet wire coating; metal furniture coating; paper coating; vinyl coating.
- Appendix L - Solvent Metal Cleaning: an operation employing solvent for cleaning metal surfaces; wipe-cleaning is excluded.
- Appendix M - Fugitive Dust Emission Sources (See List Below)
- Appendix O - Dry Cleaning Facility
- Appendix P - Landfill

General:

- |   |   |
|---|---|
| M1-1 - Plant Roadways and Parking Areas | M13 - Cement Manufacturing & Blending Plans   |
| M1-2 - Aggregate Storage Piles          | M14 - Ferroalloy Production                   |
| M1-3 - Material Handling                | M15 - Metal Salvage Operations                |
| M1-4 - Mineral Extraction               | M16 - Pulp and Paper Mills                    |
|   | M17 - Woodworking Operations                  |
| Iron and Steel Mills:                   | M18 - Aggregates Processing Plants            |
| M2-1 - Coke Manufacturing               | M19 - Coal Processing Plants                  |
| M2-2 - Iron Production                  | M20 - Brick & Related Clay Product Mfg. Plts. |
| M2-3 - Steel Manufacture                | M21 - Asphaltic Concrete Plants               |
| M3 - Lime Plants                        | M22 - Concrete Batching Plants                |
| M4 - Power Plants                       | M23 - Sandblasting Operations                 |
| M5 - Grain Terminals                    | M24 - Petroleum Refineries                    |
| M6 - Country Grain Elevators            | M25 - Agricultural Chemical Mfg Plts.         |
| M7 - Gray Iron Foundries                | M26 - Bulk Gasoline Terminals                 |
| M8 - Steel Foundries                    | M27 - Carbon Black Plants                     |
| M9 - Glass Manufacturing                | M28 - Municipal Incineration                  |
| M10 - Fiberglass Manufacturing          | M29 - Salt Processing Operations              |
| M11 - Secondary Aluminum Processing Plt | M30 - Galvanizing Plants                      |
| M12 - Fertilizer Mixing/Blending Plants |   |

## FOR WASTEWATER DISCHARGES

16. State the anticipated quality of all types of environmental pollutants to be discharged by the facility.
17. State in detail the method for disposal for all environmental pollutants listed in the question above. This should include a complete description of any control equipment to be employed.
18. If wastewater is to be discharged to a surface water, state the anticipated concentration (mg/l) and loading (lbs/day) in the discharge, and the effect this discharge will have on the surface water under critical conditions.
19. If wastewater is to be discharged to the groundwater, state the anticipated concentration (mg/l) and loading (lbs/day) in the wastewater, and the effect this wastewater will have on the groundwater.
20. If wastewater is to be discharged to a sewerage system, what will be the effect on the sewerage system and wastewater treatment system.
21. Describe any monitoring equipment to be installed at the facility.
22. Will the proposed source conform with area-wide waste management plans for wastewater treatment?
23. General plans for approval of the proposed source should be submitted to demonstrate compliance with OAC Rule 3745-31-05.
24. The following information should be included with the application (if applicable).
  - i. Appendix G. Extended Aeration Wastewater Treatment Facility Data Sheet
  - ii. Pump Station Data Sheet
  - iii. Sanitary Sewer Data Sheet
  - iv. Application for Approval of Plans for collection, treatment, and disposal of wastewater.

## FOR SOLID WASTE DISPOSAL FACILITIES

25. State the anticipated quality of all types of environmental pollutants to be discharged by the facility.
26. State in detail the method for disposal for all environmental pollutants listed in the question above. This should include a complete description of any control equipment to be employed.
27. Describe any ground water or surface stream monitoring systems to be installed at the facility.
28. State the local zoning requirements.
29. Will the proposed source conform with area-wide waste management plans for solid waste?
30. An Appendix F - Solid Wastes Disposal Facility must be included with this application.

OHIO ENVIRONMENTAL PROTECTION AGENCY  
APPLICATION FOR PERMIT TO INSTALL

3210  
JUN 19 11 10 27

Additional Information Required for Air Pollution Applications

1. Will the proposed source/facility involve any of the following (check all that apply)?

- Air Discharge**
- Wastewater Treatment Works
- Solid Waste Disposal Facility
- Hazardous Waste Disposal Facility

2. State the reason for the application. Is this a new installation, modification to an existing source/facility, reconstruction of an existing source/facility, or startup of a source/facility that has been permanently shutdown for \_\_\_\_\_ year?

**New Installation**

3. Has a previous Ohio EPA application or plan submission been filed for this source/facility? If so, state the date and type of application previously submitted.

\_\_\_ Yes  No Date: \_\_\_\_\_ Type: \_\_\_ Air \_\_\_ Solid Waste  
\_\_\_ Wastewater \_\_\_ Hazardous Waste

4. Will the proposed source/facility comply with all rules, laws, and regulations of Ohio EPA and U.S. EPA?  
 Yes \_\_\_ No

5. Do you wish to request permit to install registration status via Ohio Administrative Code 3745-31-05(E)?  
\_\_\_ Yes  No

6. Are the proposed sources required to comply with the following federal requirements? Note: Don't be afraid to call your Ohio EPA field office contact to ask them if you emissions units need to comply with these standards.

\_\_\_ Yes \_\_\_ No New Source Performance Standards (NSPS)  
New Source Performance Standards are listed under 40 CFR 60 - Standards of Performance for New Stationary Sources. If your emissions unit (s) are listed under one of these standards then answer yes.

\_\_\_ Yes \_\_\_ No National Emission Standards for Hazardous Air Pollutants (NESHAPS)  
National Emissions Standards for Hazardous Air Pollutants are listed under 40 CFR 61. If your emissions unit (s) are listed under one of these standards then answer yes.

\_\_\_ Yes \_\_\_ No Maximum Available Control Technology (MACT) Standards  
Maximum Available Control Technology standards are listed under 40 CFR 63. If your emissions unit (s) are listed under one of these standards then answer yes.

\_\_\_ Yes \_\_\_ No Prevention of Significant Deterioration (PSD)  
These rules are found under 40 CFR 51.21.

OHIO ENVIRONMENTAL PROTECTION AGENCY  
APPLICATION FOR PERMIT TO INSTALL

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Yes  No

Appendix "S" - Emission Offset Policy

This policy can be found under "Appendix S to 40 CFR part 51 - Emission Offset Interpretive Ruling."

Yes  No

Are there any other federal requirements applicable? (i.e., 40 CFR Part 75, Title V requirements (acid rain), etc.)

If so, answer yes and list the rule citation.

**The proposed source will not be impacted by any of the above regulations**

7. Will the proposed emissions units employ best available technology (BAT)? This is required under Ohio Administrative Code 3745-31-05 (A) (3). The definition of best available technology can be found in Ohio Revised Code 3704.01 (F) and is defined as: "Best Available Control Technology" means an emissions limitation (including a visible emissions standard) based upon the maximum degree of reduction for each pollutant subject to regulation under the clean air act which would be emitted from any proposed major stationary source or major modification which the director, on a case-by-case basis, taking into account energy, environmental and economic impacts and other costs, determines is achievable for such major stationary source or major modification through application of production processes or available methods, systems and techniques, including fuel combustion techniques for control of such pollutant.

Yes  No

8. Will the proposed emissions unit/facility comply with all rules, laws, and regulations of the Ohio EPA and U.S. EPA?

Yes  No

9. Will the proposed sources cause the significant degradation of air quality?

Yes  No

10. Will the proposed sources interfere with the attainment and maintenance of the ambient air quality standards?

Yes  No

11. Describe any emissions unit monitoring, emission monitoring, or control equipment monitoring devices to be installed by the applicant which are not already described in the attached Emissions Activity Form(s).

**Will use water borne coatings and inks. All coatings and inks to be measured by mass balance.**

OHIO ENVIRONMENTAL PROTECTION AGENCY  
APPLICATION FOR PERMIT TO INSTALL

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12. Will the proposed emissions unit (s) involve the use of asbestos, benzene, beryllium, mercury, for vinyl chloride?

- |                              |  |                |
|------------------------------|--|----------------|
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Asbestos       |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Benzene        |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Beryllium      |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Mercury        |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Vinyl Chloride |

13. Please include the estimated cost of any air pollution control equipment to be installed on the proposed emissions unit (s).

N/A

## International Converter, Inc. *Potential to Emit* Calculations

The following PTE calculation is based engineering and production estimates.

<b>Flexo #</b>	Estimated 3.0 lbs/hr
----------------	----------------------

$$\begin{aligned}
 \text{Then } & 8760 \text{ hours/year} \times 3.0 \text{./hour} \times 1 \text{ Ton/2000} \\
 & \text{lbs.} \\
 = & \quad \quad \quad \mathbf{13.14 \text{ TPY @ 8760, uncont.}}
 \end{aligned}$$

$$\text{PTE based on 8760 hours/year, uncontrolled} \quad \text{PTE}_{8760, \text{ uncont.}} = \quad \quad \quad \mathbf{13.14 \text{ TPY}}$$

However, the source cannot operate continuously, 24 hours/day, 365 days/year. There are several reasons the source will not operate 8760 hours/year.

1. Downtime to change out paper, foil and coating materials. This takes approximately 1.8 hours per shift, or 5.4 hours per day.

Based on this, the source could then operate:

$$\begin{aligned}
 & (24 \text{ hours/day} - 5.4 \text{ hours/day}) \times 365 \text{ days/year} \\
 = & \quad \quad \quad 6789 \text{ hours/year with a corresponding PTE} \\
 \text{PTE} = & \quad (6789 \text{ hours/year} / 8760 \text{ hours/year}) \times 13.14 \text{ TPY} \\
 = & \quad \quad \quad \mathbf{10.18 \text{ TPY}}
 \end{aligned}$$

2. Additional downtime is required to perform maintenance on the machines. This would typically take approximately 7 to 10 days.
3. Scheduled holidays would further reduce the annual operating hours. Typical holidays would account for 5 to 10 per year depending on production schedules.

Adding #2 & #3, we get an additional downtime of 12 to 20 days. Assuming 12 days, the PTE would then be:

$$\begin{aligned}
 & \frac{6789 \text{ hours/year} - (12 \text{ days/year} \times (24 - 5.4 \text{ hours/day}))}{8760 \text{ hours/year}} \times 10.18 \text{ TPY} \\
 \text{PTE} = & \quad \quad \quad \mathbf{7.63 \text{ TPY}}
 \end{aligned}$$

SURFACE COATING LINE

PTI APPL. NO. \_\_\_\_\_  
APS APP. NO. \_\_\_\_\_  
DATE RECEIVED \_\_\_\_\_

1. Facility name International Converter, Inc.  
and address Noble Industrial Park 17153 CR 57  
Caldwell, OH 43724

GENERAL INFORMATION

2. Type of surface coating line (check only one):  
 Automobile or light duty truck coating (at assembly plant)  
 Can coating  
 Coil coating (except at can manufacturing plant)  
 Paper coating  
 Fabric coating  
 Vinyl coating  
 Metal furniture coating  
 Magnet wire coating  
 Large appliance coating  
 Other (describe) Printing on paper/foil laminations

3. Company name or i.d. of coating line Flexo #3  
Month and year installed 6/97 Month and year initially operated 7/97

4. Description of equipment and operations included in coating line:  
Flexographic Printing Press

5. A PROCESS FLOW DIAGRAM MUST BE INCLUDED WITH THIS APPENDIX. Show entry and exit points of all materials and finished products. Label all materials including airborne contaminants and other waste materials. Label the process equipment, control equipment, and stacks/vents.

6. Check the method of coating and complete the accompanying data:  
a)  Spray; Type:  Air Gun  Air less  Electrostatic  
 Other describe \_\_\_\_\_  
b)  Electrodeposition/Tank dimensions (ft) \_\_\_\_\_/Capacity (gallons) \_\_\_\_\_  
(l x w x h)  
c)  Dip Tank/Tank dimensions (ft) \_\_\_\_\_/Capacity (gallons) \_\_\_\_\_  
(l x w x h)  
d)  Flow coating  
e)  Roll coating/Type:  Recessed Image  No. of coating rollers 6  
 Raised Image  
 Not applicable  
f)  Brush g)  Other (describe) \_\_\_\_\_

RECEIVED  
GENERAL PERMITS  
FEB 23 11:19:08

7. Coating operation is:  Manual  Automatic

8. If coating line includes a spray booth, complete this item:

a) Booth's exhaust is equipped with:  Water wash (complete item 8b)  
 Exhaust filters (complete item 8c)  
 Baffles  
 Other (describe) \_\_\_\_\_  
 No means of paint particle filtration

b) Water wash: Is water recirculated:  Yes  No  
Is a chemical added to the water?  Yes  No  
Is material reclaimed from the wash water?  Yes  No  
Describe method for disposal of waste materials? \_\_\_\_\_

c) Exhaust filters:

Type of material	Fiberglass	Aluminum
	Other (describe)	_____
Filter size (inches):	Length _____	Width _____ Thickness _____
No. of filters _____,	No. of filter changes per year _____	

9. Temperature of coating material as applied ROOM °F. Temperature of oven 400 °F.

10. This item applies to coating lines governed by both OAC 3745-21-07 and OAC 3745-21-09. When a coating line complies with the applicable requirements of OAC 3745-21-09, the requirements of OAC 3745-21-07 are deemed to not apply. For a coating line not in compliance with OAC 3745-21-09, the requirements of OAC 3745-21-07 continue to apply, except in situations where there exists a conflict between compliance with OAC 3745-21-07 and achieving compliance with OAC 3745-21-09. In those situations, the Director of the Ohio EPA, under OAC 3745-21-07 (A)(2)(b), may exempt the coating line from the requirements of OAC 3745-21-07, if it can be adequately demonstrated to him that there exists a conflict as described. Check the box at the end of this item if supporting information is being provided with this appendix to request the Director to determine that the requirements of OAC 3745-21-07 are not to apply pursuant to OAC 3745-21-07 (A)(2)(b).

#### PRODUCTION AND MATERIAL USAGE

11. Indicate year for items (12), (13), and (14): Estimated annual usage

12. Normal operating schedule: 24 hrs/day, 7 days/wk, 52 wks/year.

13. Parts, materials or products being coated (complete a thru e below)

a) Description of parts, materials, or products: \_\_\_\_\_  
b) Average amount coated per hour: 80,000 ft 2/hr  
c) Maximum amount coated per hour: 160,000 ft 2/hr  
d) Total amount coated per year: 250,000 Reams to 500,000 Reams  
e) Percent coated by season: Winter 25%, Spring 25%, Summer 25%, Fall 25%  
(Dec-Feb) (Mar-May) (Jun-Aug) (Sept-Nov)

14. Coating materials: complete the table below (use additional pages or photocopies of this page as needed)

COATING MATERIAL (name or i.d.)	TYPE OF COATING <sup>a</sup> (code)	SOLVENT ADDED IN-HOUSE <sup>b</sup> (yes/no)	DATA ON COATING MATERIAL AS EMPLOYED <sup>c</sup>					OPTIONAL DATA <sup>f</sup>	
			DENSITY (lbs/gal)	VOC CONTENT <sup>d</sup> (lbs/gal)	SOLIDS CONTENT <sup>e</sup> (% by vol)	WATER CONTENT (% by vol)	ANNUAL USAGE (gallons)	COATING MATERIAL USAGE RATE (amount and units)	
OGF10792C	3C	NO	8.70	0.35	39.2	56.8	1500	9.26	6.58
OGF8993	3C	NO	8.60	0.60	42.3	50.7	1450	14.20	12.13
OGF12237	3C	NO	8.50	0.38	38.1	57.4	2500	10.56	7.27
OFG18036	3C	NO	8.61	0.48	39.4	55.0	375	12.44	9.24
CIC55031G	3C	NO	8.60	0.47	40.4	54.1	10,000	11.98	9.23
CIB10088G	3C	NO	10.07	0.81	52.3	39.7	12,000	13.27	16.77
TUY18574	3C	NO	9.00	0.54	44.8	49.2	1000	11.81	10.87
TUY19097	3C	NO	8.59	0.54	37.7	53.4	1900	19.05	14.24
TUW18830	3C	NO	7.75	1.00	35.5	51.50	500	26.80	20.16
W27505-W5	3C	NO	14.1	1.14	69.3	22.6	1500	10.47	26.38
TUR199099	3C	NO	9.06	0.44	40.5	52.86	1000	14.09	11.16

*Total VOC's  
21,61 # =  
10.55 TYP*

- <sup>a</sup> TYPE OF COATING: Refer to page K-4 for the proper code to be entered in this column.
- <sup>b</sup> SOLVENT ADDED IN-HOUSE: If the coating material is formulated with solvents at this facility or thinned with solvents prior to usage, enter YES. If the coating material is used as received with no addition of solvents, enter NO.
- <sup>c</sup> DATA ON COATING MATERIAL AS EMPLOYED: Report the density, VOC content, solids content, water content, and annual usage of the coating material as employed or applied. Any solvents, thinners, viscosity reducers, etc. added to the coating material are to be included in the final material being reported.
- <sup>d</sup> VOC CONTENT: The volatile organic compound (VOC) content is determined according to the appropriate test procedures specified in OAC 3745-21-10 (B), which include ASTM D 1644-59, ASTM D 1475-60, ASTM D 2369-73 and Federal Standard 141A, Method 4082.1.
- <sup>e</sup> SOLIDS CONTENT: The solids content consists of any material which is not volatile organic or water (e.g. pigment, resin, etc.)
- <sup>f</sup> OPTIONAL DATA, COATING MATERIAL USAGE RATE: This column is optional and need not be completed unless required by the Ohio EPA or determined necessary by the facility. This column is used to relate the coating material usage to sq. ft. coated or number of items coated (e.g. 1.2 gallons/1000 sq. ft., 1800 sq. ft./gallon, 0.75 gallons/1000 cans, etc.)

LISTING OF CODES FOR TYPE OF COATING MATERIAL

<u>CODE</u>	<u>TYPE OF COATING MATERIAL</u>	<u>CODE</u>	<u>TYPE OF COATING MATERIAL</u>
	Automobile or light duty truck coating (at assembly plant)		Paper coating
1A	- Prime coat	4A	- General paper coating
1B	- Topcoat	4B	- Adhesive coating on pressure sensitive product
1C	- Final repair		
	Can coating, two-piece can	4C	- Plastic coating
2A	- Exterior basecoat	4D	- Metal foil coating
2B	- Overvarnish		
2C	- Interior body spray	5A	Fabric coating
2D	- Additional interior coating		
2E	- Exterior bottom end	6A	Vinyl coating
2F	- End sealing		
	Can coating, three-piece can		Metal Furniture coating
2G	- Interior basecoat	7A	- Prime coat
2H	- Exterior basecoat	7B	- Topcoat
2I	- Overvarnish	7C	- Single-coat
2J	- Interior body spray		
2K	- Side seam	8A	Magnet wire coating
2L	- End Sealing		
	Coil coating		Large appliance coating
3A	- Prime coat	9A	- Prime coat
3B	- Topcoat	9B	- Topcoat
3C	- Single-coat	9C	- Single-coat
		9D	- Lacquer for repair of scratches and nicks
		99X	Other, not elsewhere classified

CONTROL EQUIPMENT

15. Type of control equipment:

None

Incineration/Temp. \_\_\_\_\_ °F/Thermal or Catalytic (circle one)

Adsorption, describe \_\_\_\_\_

Condensation, describe \_\_\_\_\_

Other, describe \_\_\_\_\_

16. Manufacturer \_\_\_\_\_ Model No. \_\_\_\_\_ Month/Year Installed \_\_\_\_\_

17. Control efficiency estimates: Estimates below are based on

Design data \_\_\_\_\_ Emission tests, date of test \_\_\_\_\_  
 Other (describe) \_\_\_\_\_

Pollutant	% Vented to Control Device	% Efficiency of Control Device	Overall % Reduction <sup>a</sup>	Emission Rate <sup>b</sup> (indicate units)

<sup>a</sup> Overall % Reduction is (% Vented to Control)(% Efficiency of Control)/100%

<sup>b</sup> Emission Rate from control equipment (e.g. in ppm, lbs/hour, etc.)

STACK DATA

18. Identify each stack and vent associated with the coating line in (a) below and complete the information (use extra sheet if needed)

	1	2	3	4	5	6
a) Stack or vent i.d.	30"					
b) Height above ground (ft)	32"					
c) Height above roof (ft)	4"					
d) Shape (rectangular or round)	Round					
e) Cross sectional area (ft <sup>2</sup> )	4.9					
f) At maximum operation:						
- Flow rate (acfm)	5000					
- Temperature (°F)	325					
g) At normal operation:						
- Flow rate (acfm)	5000					
- Temperature (°F)	325					

19. Continuous monitoring equipment:  Yes  No  
If yes, identify stack or vent \_\_\_\_\_  
Type \_\_\_\_\_ Manufacturer \_\_\_\_\_  
Make or model \_\_\_\_\_ Pollutant monitored \_\_\_\_\_
20. Emission data: Emissions from this source have been determined and such data is included with this appendix:  Yes  No  
If, yes, check method:  Stack Test  
 Material balance  
 Published emission factor  
 Other (describe) \_\_\_\_\_

Completed by Jeffrie D'Costa  Date April 15, 1997

## **Permit To Install Construction Schedule**

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The following construction schedule is based upon timely delivery of equipment:

### **Flexo #3**

<b>Delivery Scheduled:</b>	<b>May 10, 1997</b>
<b>Begin Installation:</b>	<b>May 15, 1997</b>
<b>Complete Installation:</b>	<b>June 15, 1997</b>
<b>Performance Test:</b>	<b>July 15, 1997</b>