

Check Sheet

Company Name: NEWS JOURNAL CORPORATION  
Permit Number: AC 64-98028  
PSD Number: \_\_\_\_\_  
Permit Engineer: \_\_\_\_\_

**Application:**

- |  |                          |
|--|--------------------------|
| <input checked="" type="checkbox"/> Initial Application    | Cross References:        |
| <input checked="" type="checkbox"/> Incompleteness Letters | <input type="checkbox"/> |
| <input checked="" type="checkbox"/> Responses              | <input type="checkbox"/> |
| <input type="checkbox"/> Waiver of Department Action       | <input type="checkbox"/> |
| <input type="checkbox"/> Department Response               |                          |
| <input type="checkbox"/> Other                             |                          |

**Intent:**

- Intent to Issue
  - Notice of Intent to Issue
  - Technical Evaluation
  - BACT or LAER Determination
  - Unsigned Permit
- Correspondence with:
- EPA
  - Park Services
  - Other
- Proof of Publication
  - Petitions - (Related to extensions, hearings, etc.)
  - Waiver of Department Action
  - Other

**Final**

**Determination:**

- Final Determination
- Signed Permit
- BACT or LAER Determination
- Other

**Post Permit Correspondence:**

- Extensions/Amendments/Modifications
- Other

P 408 533 658

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Tippen Davidson	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date  1/16/86	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

DOMESTIC RETURN RECEIPT

<b>SENDER: Complete items 1, 2, 3 and 4.</b> Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.	
1. <input type="checkbox"/> Show to whom, date and address of delivery.	
2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to: Mr. Tippen Davidson News Journal Corporation 901 Sixth Street Daytona Beach, FL 32017	
4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	Article Number P 408 533 658
Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>	
5. Signature - Addressee X <i>To. [Signature]</i>	
6. Signature - Agent X	
7. Date of Delivery. <del>5/17</del> 1/22/86	
8. Addressee's Address (ONLY if requested and fee paid)	

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT

Mr. Tippen Davidson  
News Journal Corporation  
901 Sixth Street  
Daytona Beach, Florida 32017

January 15, 1986

Enclosed is Permit Number AC 64-98628 to News Journal Corporation which authorizes the construction of five offset printing presses at a proposed site in Daytona Beach, Volusia County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any Party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the clerk of the Department.

Sincerely,

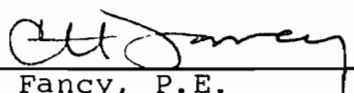
C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

Enclosure

cc: W. M. Greenwood  
Thomas Cobb  
Tom Sawicki

CERTIFICATION

This is to certify that the foregoing Notice of Permit and all copies requested were mailed before the close of business on 16 JANUARY, 1986.

  
C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management  
2600 Blair Stone Road  
Tallahassee, Florida 32301

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to  
§120.52(9), Florida Statutes, with  
the designated Department Clerk,  
receipt of which is hereby  
acknowledged.

Patricia G. Adams      Jan. 16, 1986  
Clerk                              Date

Final Determination

News Journal Corporation  
South Daytona  
Volusia County, Florida

Offset Printing Presses

Permit No. AC 64-98628

Florida Department of Environmental Regulation  
Bureau of Air Quality Management  
Central Air Permitting

January 6, 1986

## Final Determination

News Journal's application for a permit to construct five offset printing presses at a proposed site in Daytona Beach, Volusia County, Florida, has been reviewed by the Bureau of Air Quality Management. Public Notice of the department's Intent to Issue the permit was published in the Daytona Beach Morning Journal on December 3, 1985.

No comments were received in response to the Public Notice and therefore the final action of the department will be to issue the permit as proposed in the preliminary determination.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

PERMITTEE:  
News Journal Corporation  
901 Sixth Street  
Daytona Beach, Florida 32017

Permit Number: AC 64-98628  
Expiration Date: September 1, 1986  
County: Volusia  
Latitude/Longitude: 29° 08' 37"N/  
80° 57' 43"W  
Project: Offset Printing  
Presses

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of five offset printing presses and their associated dryer system.

Construction shall be in accordance with the attached permit application unless otherwise stated in the General and Specific Conditions herein.

Attachments are as follows:

1. Wiley and Wilson's letter to DER dated November 28, 1984.
2. DER's letter dated December 11, 1984.
3. News Journal's application dated April 15, 1985.
4. DER's letter dated May 9, 1985.
5. Wiley and Wilson's response dated June 14, 1985.
6. DER's letter dated July 17, 1985.
7. Wiley and Wilson's response dated September 16, 1985.
8. Cobb and Cole's letter dated September 23, 1985.
9. DER's letter dated October 1, 1985.
10. Wiley and Wilson's letter dated October 11, 1985.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.



PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. Continuous operation of the facility will be permitted provided emission limits specified herein are not exceeded.
2. Annual ink consumption shall not exceed 620 tons per year (TPY).

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

SPECIFIC CONDITIONS:

3. Emissions of the organic compound in the heat-set inks, specified in the permit application, shall not exceed:

<u>Source</u>	<u>Emissions</u>	
	<u>lb/hr</u>	<u>TPY</u>
1) M1000 - 8 Units	12.3	54
2) M845 - 8 Units	12.3	54
3) M1000 - 5 Units	7.7	34
4) M845 - 5 Units	7.7	34
5) Newsprint ink press	0	0
Total:	40	176

4. There shall be no objectionable odor on off-plant property.

5. Only natural gas shall be fired in the dryer system.

6. Visual emissions from the dryer system shall not exceed 20% opacity using EPA Method 9, Visual Determination of the Opacity for Emissions from Stationary Sources.

7. Natural gas combustion products and the vaporized organic compound (from the heat-set ink) emissions shall be minimized by the use of, but not limited to: hoods, fans, filters and similar equipment to contain and/or vent emissions; maintaining proper burner adjustments to ensure optimum combustion; and periodic maintenance of the dryer system.

8. The area in the vicinity of the dryer system exhaust shall be monitored for residue from organic compound condensation. The department, upon detection of any residue, shall recommend control measures to be adopted by the permittee. Those measures at that time shall be incorporated into, and become part of this permit, and any subsequent permit. Within 90 days of issuance of this permit, the permittee shall submit an emission monitoring plan to the Central Air Permitting office for approval, to determine organic compound emission and deposition.

9. Emissions compliance shall be determined by EPA Method 9.

10. A monthly record shall be maintained to verify the usage and inventory of the heat-set inks.

11. Compliance tests shall be performed at 90-100% of the permitted equipment capacity.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**SPECIFIC CONDITIONS:**

12. A 15 day prior notification of the compliance testing date shall be given to DER's St. Johns River District office.

13. Compliance test results, in accordance with Rule 17-2.700, FAC, shall be submitted to DER's St. Johns River District within 45 days of completion of the tests.

14. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit. (Rule 17-4.09, FAC)

15. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with compliance test results and Certificate of Completion, to the Department's District office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (Rules 17-4.22 and 17-4.23, FAC)

16. If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (Rule 17-4.10, FAC)

17. Upon obtaining an operating permit the permittee will be required to submit annual reports, unless otherwise requested by DER, on the actual operation and emissions of the sources to the DER's District office.

18. Any change in the method of operation, equipment, or operating hours shall be submitted for approval to the Department's District office.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

SPECIFIC CONDITIONS:

Issued this 14 day of January  
1986

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
VICTORIA J. SCHINKEL, Secretary

\_\_\_ pages attached.

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION



# Interoffice Memorandum

TO: Victoria J. Tschinkel

FROM: Clair Fancy *Clair Fancy*

DATE: January 13, 1986

SUBJ: Approval of Attached Air Construction Permit

FOR ROUTING TO OTHER THAN THE ADDRESSEE	
To: _____	LOCN: _____
To: _____	LOCN: _____
To: _____	LOCN: _____
FROM: _____	JAN 14 1986

RECEIVED

Office of the Secretary

Attached for your approval and signature is one Air Construction Permit to News Journal Corporation to construct Five offset printing presses at a proposed site in Daytona Beach, Volusia County, Florida.

Day 90, after which the permit would be issued by default, is February 7, 1986.

The Bureau recommends your approval and signature.

CF/pa

Attachment

LAW OFFICES  
COBB & COLE

150 MAGNOLIA AVENUE  
POST OFFICE BOX 191  
DAYTONA BEACH, FLORIDA 32015  
TELEPHONE (904) 255-8171

NEW YORK OFFICE  
THE NEWS BUILDING  
220 EAST FORTY-SECOND STREET  
NEW YORK, NEW YORK 10017  
(212) 682-3060  
TELEX: 649324-ICIYC-NYK

THOMAS T. COBB  
W. WARREN COLE, JR.  
JOHN P. MCCOY  
ROBERT ABRAHAM  
SAMUEL P. BELL III  
JAY D. BOND, JR.  
JONATHAN D. KANEY JR.  
DAVID A. MONACO  
J. LESTER KANEY  
WILLIAM C. ROBINSON, JR.  
CHARLES D. HOOD, JR.  
MICHAEL J. MORIARTY\*

ROBERT S. MACDONALD  
TERENCE R. PERKINS  
LARRY D. MARSH  
DOUGLAS DANIELS  
NEAL D. BOWEN  
CARLA M. MARTIN  
ERIC H. MILLER

\*ADMITTED IN NEW YORK ONLY

December 5, 1985

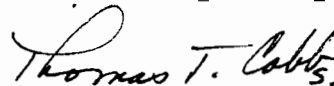
Mr. C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality Management  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32301-8241

Re: News-Journal Corporation  
Your File #A64-98628

Dear Sir:

We enclose herewith Proof of Publication of Notice of Proposed Agency Action Permit Application as discussed in your letter to Mr. Davidson of November 21.

Yours very truly,



Thomas T. Cobb

TTC:pns  
Enclosure

DER  
DEC 09 1985  
BAQM



# Daytona Beach Morning Journal

Published Daily except Sunday  
Daytona Beach, Volusia County, Florida

State of Florida,  
County of Volusia:

Before the undersigned authority personally appeared

Robert Hughes

who, on oath says that he is

Advertising Director

of The Daytona Beach Morning Journal, a daily, except Sunday, newspaper published at Daytona Beach in Volusia County, Florida; that the attached copy of

advertisement, being a Notice of Proposed Agency

Action on Permit Application

in the matter of Offset Printing Presses

and dryer System, News-Journal

in the Court, was published

in said newspaper in the issues

December 3, 1985

Affiant further says that the said Daytona Beach Morning Journal is a newspaper published at Daytona Beach, in said Volusia County, Florida, and that the said newspaper has heretofore been continuously published in said Volusia County, Florida, each day, except Sunday, and has been entered as second-class mail matter at the post office in Daytona Beach, in said Volusia County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or corporation any discount rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me

this 3rd day of December

A.D. 19 85

NOTARY PUBLIC, State of Florida at Large  
My Commission Expires February 28, 1989  
Insured by AMERICAN PIONEER CASUALTY U.S. CO

## LEGAL ADVERTISEMENT

State of Florida  
Department of Environmental  
Regulation

Notice of Proposed Agency Action  
on Permit Application

The Department of Environmental Regulation gives notice of its intent to issue a permit to News-Journal Corporation to construct five offset printing presses and their associated dryer system to be located in a proposed business park near the corporate limits of South Daytona in Volusia County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period constitutes a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency

action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays,

at:  
Dept. of Environmental Regulation  
St. Johns River District  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803  
Dept. of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32301

Any person may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.

Legal 449: November 3, 1985 1 t am

DER

DEC 09 1985

BAQM

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**PROOF OF PUBLICATION**

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**IN RE**

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**NEWS-JOURNAL CORPORATION**  
**Daytona Beach, Florida**  
**Publication Fee, \$ . . . . .**

P 408 533 332

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Tippen Davidson	
Street and No.	
P.O., State and ZIP Code	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date  11/27/85	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

**SENDER: Complete items 1, 2, 3 and 4.**

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

1.  Show to whom, date and address of delivery.  
2.  Restricted Delivery.

3. Article Addressed to:  
Mr. Tippen Davidson  
News Journal Corporation  
901 Sixth Street  
Daytona Beach, Florida 32017

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured	P 408 533 332
<input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD	
<input type="checkbox"/> Express Mail	

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature — Addressee  
X

6. Signature — Agent  
X *[Signature]*

7. Date of Delivery  
NOV 29 1985

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

November 21, 1985

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Tippen Davidson  
News Journal Corporation  
901 Sixth Street  
Daytona Beach, Florida 32017

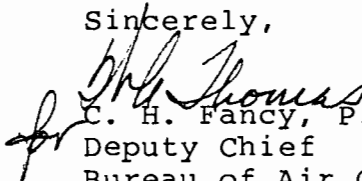
Dear Mr. Davidson:

Attached is one copy of the Technical Evaluation and Preliminary Determination, and proposed permit to construct an offset publication printing facility at the proposed site in Daytona Beach, Florida.

Before final action can be taken on your draft permit, you are required by Florida Administrative Code Rule 17-103.150 to publish the attached Notice of Proposed Agency Action in the legal advertising section of a newspaper of general circulation in Volusia County no later than fourteen days after receipt of this letter. The department must be provided with proof of publication within seven days of the date the notice is published. Failure to publish the notice may be grounds for denial of the permit.

Please submit, in writing, any comments which you wish to have considered concerning the department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

  
C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

CHF/pa

Attachments

cc: Tom Sawicki  
Thomas Cobb  
W. M. Greenwood

State of Florida  
Department of Environmental Regulation  
Notice of Proposed Agency Action  
on Permit Application

The Department of Environmental Regulation gives notice of its intent to issue a permit to News Journal Corporation to construct five offset printing presses and their associated dryer system to be located in a proposed business park near the corporate limits of South Daytona in Volusia County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period constitutes a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Regulation  
St. Johns River District  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803

Dept. of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32301

Any person may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.



publication of the public notice (copy attached) required pursuant to Rule 17-103.150, Florida Administrative Code, whichever occurs first. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code (copy attached) and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301.

Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department. In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), Florida Statutes.

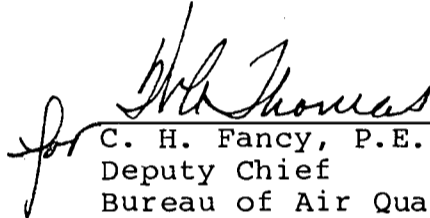
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Administrative Hearings, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

Executed the 26 day of November 1985, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

Copies furnished to:

Tom Sawicki  
Department of Environmental Regulation  
3319 Maguire Blvd.  
Suite 232  
Orlando, Florida 32802

Thomas Cobb  
P. O. Box 191  
Daytona Beach, Florida 32015

W. M. Greenwood  
P. O. Box 877  
Lynchburg, Virginia 24505

CERTIFICATION

This is to certify that the foregoing Intent to Issue and all copies were mailed before the close of business on 11/27/85 1985.

for Ch Thomas  
C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management  
2600 Blair Stone Road  
Tallahassee, Florida 32301

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to  
§120.52(9), Florida Statutes, with  
the designated Department Clerk,  
receipt of which is hereby acknow-  
ledged.

Patricia G. Adams      Nov. 27, 1985  
Clerk                              Date

RULES OF THE ADMINISTRATIVE COMMISSION  
MODEL RULES OF PROCEDURE  
CHAPTER 28-5  
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
  - (a) The name and address of each agency affected and each agency's file or identification number, if known;
  - (b) The name and address of the petitioner or petitioners;
  - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
  - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
  - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
  - (f) A demand for the relief to which the petitioner deems himself entitled; and
  - (g) Such other information which the petitioner contends is material.

Technical Evaluation  
and  
Preliminary Determination

News Journal Corporation  
South Daytona  
Volusia County, Florida

Offset Printing Presses

Permit No. AC 64-98628

Florida Department of Environmental Regulation  
Bureau of Air Quality Management  
Central Air Permitting

November 19, 1985

## I. Application

### A. Applicant

News Journal Corporation  
901 Sixth Street  
Daytona Beach, Florida 32017

### B. Project and Location

The applicant proposes to relocate and expand their existing commercial offset printing facility of catalogs, magazines and newspaper inserts. Of the proposed five offset presses, one will utilize newsprint ink while the other four will utilize a heat-set ink. The primary pollutant from the proposed facility will be about 176 tons per year (TPY) of an organic compound of low volatility used in the heat-set inks. There will also be negligible amounts of combustion products from a 22 MMBtu/hr natural gas fired dryer system.

The project will be located in a proposed business park near the corporate limits of South Daytona in Volusia County, Florida. The UTM coordinates of this site are zone 17, 501 km E and 3223 km N.

### C. Sources Reviewed

The technical review will cover the five offset printing presses and their associated dryer system.

- 1) Proposed M1000 Press - 8 Units
- 2) Proposed M845 Press - 8 Units
- 3) Existing M1000 Press - 5 Units
- 4) Existing M845 Press - 5 Units
- 5) Press using newsprint ink

This application was submitted to DER's St. Johns River District office on April 17, 1985, and was deemed complete on October 16, 1985.

### D. Facility Classification

The Standard Industrial Classification (SIC) Code of this facility is Group No. 275, Commercial Printing, and Industry No. 2752, Lithography.

News Journal's project will be a major emitting facility for organic compounds since emissions will exceed 100 TPY.

## II. Process Description

### A. Process

A continuous layer of substrate will be printed upon with ink which wets the image area on the printing roll. Ink will be transferred from the printing roll to a rubber surface on a roll called the blanket cylinder, which will transfer the ink onto paper. The paper will then pass through a natural gas fired dryer, at 600 °F, where 80% of the organic compound in heat-set inks, will be vaporized. A chill stand will cool the substrate, which will then be conveyed to a bindery for binding. A sketch of the process and press layout is enclosed in attachment 3.

### B. Operating Hours

The printing facility will operate continuously. Operating time for any one press will be approximately 5,700 hours annually. Due to the variety of printing undertaken, substantial downtime is required to make product line adjustments and changes.

### C. Background Information

Two existing offset presses of the News Journal, which are not currently permitted, will be transferred to a new site where an additional three machines will be set up. One press using newsprint ink will essentially generate no discharge to the atmosphere other than warm moist air. The other four presses using heat-set ink, will generate emissions of an organic compound used in the ink. The compound has a vapor pressure of 0.05 mm Hg at standard conditions and therefore cannot be considered a "volatile organic compound (VOC)," under Florida's air regulations. Due to a high boiling point of about 450°F, the organic compound will be vaporized only in the dryer, operating at 600°F, and will condense rapidly at ambient temperature. These emissions may therefore resettle, finely dispersed, onto the ground in the vicinity of the dryer stack set-up. No VOCs will be used for cleanup operations. Waste ink will be collected and disposed by normal waste disposal services.

## III. Rule Applicability

The proposed project will primarily emit organic compounds from the heat-set ink, and a negligible amount of combustion products from the natural gas fired dryer. The project is therefore subject to preconstruction review in accordance with Chapter 403 of the Florida Statutes, and Chapters 17-2 and 17-4 of the Florida Administrative Code (FAC).

News Journal's proposed facility in Volusia County will be located in an area designated as attainment for all pollutants in accordance with Rule 17-2.420, FAC.

The proposed project is a major emitting facility since the emission exceed 100 TPY, in accordance with Rule 17-2.100(98), FAC. The project is not subject to PSD review requirements, in accordance with Rule 17-2.500(2)(d)2, FAC, because emissions are well below 250 TPY.

The New Source Performance Standard (NSPS) 40 CFR 60 Subpart QQ, Standards of Performance for the Graphic Arts Industry: Publication Rotogravure Printing, does not apply to this project because it is not a rotogravure printing process.

Rule 17-2.650(1) FAC, Reasonably Available Control Technology for VOCs does not apply since the organic compound emitted is not a VOC, in accordance with Rule 17-2.100(179), FAC.

The General Particulate Emission Limiting Standards, Rule 17-2.610, FAC, and the General Pollutant Emission Limiting Standards, Rule 17-2.620, FAC, are applicable to this project. These standards specify a visible emissions limit of 20% opacity; the use of emission control equipment, and measures deemed necessary by the department; and prohibit the emission of objectionable odors.

#### IV. Source Impact Analysis

##### A. Emission Limitations

The primary pollutant emitted will be the organic compound used in heat-set ink. Under the conditions maintained in the process, the emission of this compound will amount to a maximum of 40 lb/hr, 176 TPY.

Source	Emissions	
	lb/hr	TPY
1. M1000 - 8 Units	12.3	54
2. M845 - 8 Units	12.3	54
3. M1000 - 5 Units	7.7	34
4. M845 - 5 Units	7.7	34
5. Newsprint Press	0	0

Combustion products from the 22 MMBtu/hr natural gas fired dryer, using AP-42 factors, will amount to 0.03 TPY particulate matter (PM), 4.84 TPY nitrous oxides (NOx), 1.14 TPY carbon monoxide (CO), 0.06 TPY VOC, 0 TPY sulfur dioxide (SO<sub>2</sub>).

The department does not feel that any add-on control devices will be necessary for this project, at this time, since pollutant emissions are low. However, in-house preventive maintenance procedures, to achieve a cleaner, and more efficient operation, are recommended.

The department recommends that organic compound emissions be monitored to determine the actual environmental impact.

#### B. Air Quality Analysis

The technical evaluation of this application determined that preconstruction ambient air monitoring or modeling would not be required to provide reasonable assurance that Florida's air quality standards would not be violated.

#### V. Conclusion

Based on the information submitted by the applicant, the technical review concluded that the sources will be in compliance with the state air quality regulations provided the General and Specific Conditions of the construction permit are fulfilled.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

PERMITTEE:  
News Journal Corporation  
901 Sixth Street  
Daytona Beach, Florida 32017

Permit Number: AC 64-98628  
Expiration Date: September 1, 1986  
County: Volusia  
Latitude/Longitude: 29° 08' 37"N/  
80° 57' 43"W  
Project: Offset Printing  
Presses

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings, plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the construction of five offset printing presses and their associated dryer system.

Construction shall be in accordance with the attached permit application unless otherwise stated in the General and Specific Conditions herein.

Attachments are as follows:

1. Wiley and Wilson's letter to DER dated November 28, 1984.
2. DER's letter dated December 11, 1984.
3. News Journal's application dated April 15, 1985.
4. DER's letter dated May 9, 1985.
5. Wiley and Wilson's response dated June 14, 1985.
6. DER's letter dated July 17, 1985.
7. Wiley and Wilson's response dated September 16, 1985.
8. Cobb and Cole's letter dated September 23, 1985.
9. DER's letter dated October 1, 1985.
10. Wiley and Wilson's letter dated October 11, 1985.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**GENERAL CONDITIONS:**

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. Continuous operation of the facility will be permitted provided emission limits specified herein are not exceeded.

2. Annual ink consumption shall not exceed 620 tons per year (TPY).

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

SPECIFIC CONDITIONS:

3. Emissions of the organic compound in the heat-set inks, specified in the permit application, shall not exceed:

<u>Source</u>	<u>Emissions</u>	
	<u>lb/hr</u>	<u>TPY</u>
1) M1000 - 8 Units	12.3	54
2) M845 - 8 Units	12.3	54
3) M1000 - 5 Units	7.7	34
4) M845 - 5 Units	7.7	34
5) Newsprint ink press	0	0
Total:	40	176

4. There shall be no objectionable odor on off-plant property.

5. Only natural gas shall be fired in the dryer system.

6. Visual emissions from the dryer system shall not exceed 20% opacity using EPA Method 9, Visual Determination of the Opacity for Emissions from Stationary Sources.

7. Natural gas combustion products and the vaporized organic compound (from the heat-set ink) emissions shall be minimized by the use of, but not limited to: hoods, fans, filters and similar equipment to contain and/or vent emissions; maintaining proper burner adjustments to ensure optimum combustion; and periodic maintenance of the dryer system.

8. The area in the vicinity of the dryer system exhaust shall be monitored for residue from organic compound condensation. The department, upon detection of any residue, shall recommend control measures to be adopted by the permittee. Those measures at that time shall be incorporated into, and become part of this permit, and any subsequent permit. Within 90 days of issuance of this permit, the permittee shall submit an emission monitoring plan to the Central Air Permitting office for approval, to determine organic compound emission and deposition.

9. Emissions compliance shall be determined by EPA Method 9.

10. A monthly record shall be maintained to verify the usage and inventory of the heat-set inks.

11. Compliance tests shall be performed at 90-100% of the permitted equipment capacity.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

**SPECIFIC CONDITIONS:**

12. A 15 day prior notification of the compliance testing date shall be given to DER's St. Johns River District office.

13. Compliance test results, in accordance with Rule 17-2.700, FAC, shall be submitted to DER's St. Johns River District within 45 days of completion of the tests.

14. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit. (Rule 17-4.09, FAC)

15. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with compliance test results and Certificate of Completion, to the Department's District office 90 days prior to the expiration date of the construction permit. The permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate. (Rules 17-4.22 and 17-4.23, FAC)

16. If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct which can take up to 90 days to process a complete application. (Rule 17-4.10, FAC)

17. Upon obtaining an operating permit the permittee will be required to submit annual reports, unless otherwise requested by DER, on the actual operation and emissions of the sources to the DER's District office.

18. Any change in the method of operation, equipment, or operating hours shall be submitted for approval to the Department's District office.

PERMITTEE: News Journal Corp.

Permit Number: AC 64-98628

Expiration Date: September 1, 1986

SPECIFIC CONDITIONS:

Issued this \_\_\_ day of \_\_\_\_\_,  
1985

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

---

VICTORIA J. TSCHINKEL, Secretary

\_\_\_ pages attached.



PM  
11-11-85  
Daytona Beach, FL  
LAW OFFICES  
COBB & COLE

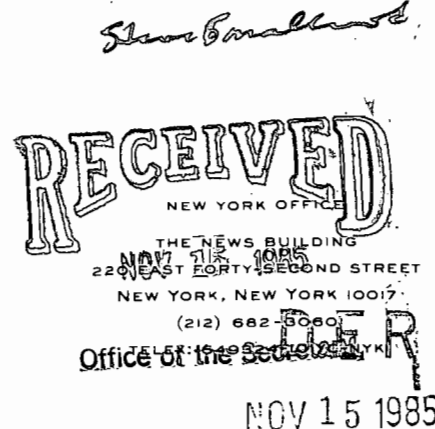
150 MAGNOLIA AVENUE  
POST OFFICE BOX 191  
DAYTONA BEACH, FLORIDA 32015  
TELEPHONE (904) 255-8171

THOMAS T. COBB  
W. WARREN COLE, JR.  
JOHN P. MCCOY  
ROBERT ABRAHAM  
SAMUEL P. BELL III  
JAY D. BOND, JR.  
JONATHAN D. KANEY JR.  
DAVID A. MONACO  
J. LESTER KANEY  
WILLIAM C. ROBINSON, JR.  
CHARLES D. HOOD, JR.  
MICHAEL J. MORIARTY\*

ROBERT S. MACDONALD  
TERENCE R. PERKINS  
LARRY D. MARSH  
DOUGLAS DANIELS  
NEAL D. BOWEN  
CARLA M. MARTIN  
ERIC H. MILLER

\* ADMITTED IN NEW YORK ONLY

November 11, 1985



BAQM

Mr. C. H. Fancy, Deputy Chief  
Bureau of Air Quality Management  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32301-8241

Re: News-Journal Corporation Application for  
Construction of Offset Printing Facility,  
AC 64-98628

Dear Mr. Fancy:

I have your letter of November 4 concerning the above matter, which confuses me because it is at variance from information given by the Department by telephone to Wiley & Wilson and to me to the effect that the permitting process would continue and that the permit would probably contain a provision for reconsideration if condensation and deposits of solvent in the plant area should become a problem in the future. To this provision, my client, News-Journal Corporation, has no objection.

I refer to the October 11, 1985 letter to Mr. W. A. Thomas giving the results of the Wiley & Wilson recalculation of the emissions to be expected from this plant, and I specifically refer to the last paragraph on page 2 which discusses the solvent vapor emissions and concludes: "dispersion is complete at such low concentration and high velocity and condensation of vapors does not occur."

It is our position that News-Journal has employed the best engineering firm for this printing plant which it could find and the credentials of this firm are not in question. Accordingly, we hope that credibility will be accorded their conclusion.

COBB & COLE

Mr. C. H. Fancy  
November 11, 1985  
Page 2

Recognizing, of course, that even experts of this standing can be in error, we accept without question the inclusion in the permit of the provision for reconsideration if condensation and deposits of solvent in the plant area should become a problem in the future.

I thank you for your prompt attention to this matter which at this time is becoming quite urgent.

Yours very truly,

Thomas T. Cobb

TTC:pns  
Enclosures  
cc: Ms. Victoria J. Tschinkel  
Mr. William Thomas  
Mr. Pradeep Raval  
Mr. Tippen Davidson  
Wiley & Wilson  
7DDKE.13

RECEIVED NOV 7 1985

Wiley &amp; Wilson

Architects Engineers Planners

2310 Langhorne Road  
P.O. Box 877  
Lynchburg, Virginia 24505-0877  
(804) 528-1901

November 6, 1985

Mr. Thomas T. Cobb  
Attorney at Law  
P. O. Box 191  
150 Magnolia Avenue  
Daytona Beach, Florida 32015

RE: News-Journal Corporation  
Application to Operate/Construct  
Air Pollution Sources  
South Daytona, Florida  
W&W Comm. No. 84044.02

Dear Sir:

At the request of Mr. John Gallant we are forwarding herewith a copy of our letter of October 11, 1985, addressed to Mr. W. A. Thomas of Florida Department of Environmental Regulation (D.E.R.) in Tallahassee on the above subject. Also included is our letter of June 14, 1985 addressed to the Orlando office of D.E.R. We understood that the information in these documents was sufficient to permit D.E.R. to process the requested permit.

On November 4, 1985, John Gallant informed us that there was still some concern at D.E.R. in Tallahassee and asked that we make contact with Mr. Thomas to resolve any problems. We were not able to talk to Mr. Thomas personally, but we did speak to Mr. Pradeep Raval, who said there was concern that solvent vapor in the emitted stack gas would condense when cooled in the atmosphere and deposit an oily coating in the area around the new plant. We again explained that the extremely low concentration of solvent in the hot stack gases exiting to the atmosphere at high velocity (100 feet per second) will result in immediate wide dispersion of fumes such that no discernible condensation or deposit will occur. Mr. Raval indicated satisfaction with our explanation and said the permitting process would continue. He did add that the permit would probably contain a provision for reconsideration if condensation

Mr. Thomas T. Cobb  
November 6, 1985  
Page 2

and deposits of solvent in the plant area should become a problem in the future. This is certainly a reasonable provision and we feel that News-Journal should have no objection.

Please do not hesitate to call if you find that further clarification of this matter is required.

Very truly yours,

WILEY & WILSON



Kent Evans, P. E.

KE:zp

cc: John Gallant, News-Journal

October 11, 1985

Mr. W. A. Thomas  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32301

Re: Commercial Printing Plant  
News Journal Corporation  
South Daytona, Florida

Dear Mr. Thomas:

Thank you very much for your courtesy and guidance during our telephone conversation of this morning. We have re-calculated the emissions to be expected from each press (source) in the new plant as you suggested. These calculations are as follows:

Ink used from plant records 8.28#/press unit/hr.  
(See letter dated June 14, 1985 - K.E. to A.T.S., copy attached)

New plant is expected to operated 24 hrs./day, 7 days/wk., 52 wks./year and to be producing product approximately 65% of the available time.

Source #1 (New M1000 Press - 8 units)

Ink usage  $\frac{8 \times 8.28 \times 7 \times 24 \times 52 \times 0.65}{2000} = 188$  tons/yr.

Ink contains 36% solvent, of which 80% is vaporized in the dryers and emitted through the dryer stack. The balance remains in the dried ink on the substrate. Emissions  $188 \text{ tons/yr.} \times 36\% \times 80\% = 54$  tons/yr.

Source #2 (Rebuilt M845 Press - 8 units)

Same as Source #1 Emissions 54 tons/yr.

Source #3 (Existing M1000 Press - 5 units)

Ink usage  $\frac{5 \times 8.28 \times 7 \times 24 \times 52 \times 0.65}{2000} = 117$  tons/yr.

Emissions  $117 \text{ tons/yr.} \times 36\% \times 80\% = 34$  tons/yr.

Mr. W. A. Thomas  
Page 2  
October 11, 1985

Source #4 (Existing M845 Press - 5 units)

Same as Source #3 Emissions 34 tons/yr.

**Total Plant Emissions**

Source #1	=	54
Source #2	=	54
Source #3	=	34
Source #4	=	<u>34</u>

Total 176 tons/yr.

You will note that Item 8, on Page 2 of our letter of June 14, 1985 to Mr. Sawicki includes information regarding compositin and physical characteristics of the solvent being used in ink formulation. Since that time we have been assured by the ink manufacturers that they are now using oils which contain no aromatics or olefins. The vapor pressure of this material is less than 0.1 mm Hg at 68° F. The vapor density is 6.72 (air = 1), molecular weight is 195, flash point is 215° F, with boiling point between 464° and 525° F. The material is not photochemically reactive and does not form ozone when exposed to sunlight. Based on the above, it is not classified as V.O.C. by Florida law.

From Data given on Page 6 of the permit application form, we will have a flow rate of 4,000 cfm up each stack at a velocity of 100 fps. Based upon the greatest emission rate from an 8 unit press, we calculate

$$\frac{8 \text{ units} \times 8.25 \text{ \$/hr./unit}}{60} = 1.1 \text{ \$/min.}$$

of ink being used. This results in emissions of  $1.1 \times 0.36 \times 0.80 = 0.32$  \$/min. of solvent vapor in 4000 cf of air flowing at 100 fps. Dispersion is complete at such low concentration and high velocity and condensation of vapors does not occur. There will therefore be no collection of emitted material.

Please do not hesitate to call us if more clarification is needed.

Very truly yours,

WILEY & WILSON

W. M. Greenwood, P.E.  
President

2310 Langhorne Road  
P.O. Box 877

Lynchburg, Virginia 24505-0877  
(804) 528-1901

June 14, 1985

Department of Environmental Regulation  
St. Johns River District  
3319 Maguire Blvd.  
Suite 232  
Orlando, Florida 32803-3767

Attention: Mr. A. T. Sawicki, P.E.

Dear Mr. Sawicki:

In reference to your letter of May 7th, we have made the following comments as an addendum to the application.

Item 1; "assumed credit for removing existing source", should be deleted.

Item 2;

Usage in present Plant (Heat Set)

	<u>1983</u>	<u>1984</u>
Purchased	286,485#	309,416#
Misc. (Estim.)	<u>25,000#</u>	<u>(included)</u>
	311,485#	309,416#

Average of 310,000 #/yr.

Above figures used in 10 printing units operating on a 5 day week, 24 hrs./day, 52 weeks/yr. Presses are down approximately 40% of available time for change-over, maintenance, adjustment, etc.

Ink used 1983 and 1984 on a per unit basis =

$$\frac{310,000\#}{10 \text{ units} \times 5 \times 24 \times 52 \times 0.60} = 8.28\#/\text{unit}/\text{hr.}$$

At new plant there will be 26 units in 4 presses which run 24 hrs. 7 days for 52 weeks per year with approximately 35% downtime. From this the estimated amount of ink used in the future is equal to the following:

$$\begin{aligned} \text{Ink usage} &= 8.28/\text{unit}/\text{hr.} \times 26 \text{ units} \times 7 \times 24 \times 52 \times 0.65 \\ &= 1,222,500\#/\text{yr. of ink total} \end{aligned}$$

Department of Environmental Regulation  
Page 2  
June 14, 1985

Ink contains 36% solvent, of which 80% is vaporized in the press dryers. The remaining 20% stays in dry ink on substrate.

$$\begin{aligned} \text{Estimated total emissions from plant} &= \frac{1,222,500 \times 0.36 \times 0.80}{2,000 \text{ lb./ton}} \\ &= 176 \text{ tons/yr.} \end{aligned}$$

Item 3: The emissions due to combustion are mostly  $\text{CO}_2$  and  $\text{H}_2\text{O}$ .

Item 4: There will be no other inks/coatings/solvents used other than the one dealt with in this application.

Item 5: Due to varying types of papers used a set maximum for the capacity of the web offset printing press in tons of paper cannot be determined. The maximum width of the web is 40 inches and the maximum velocity is approximately 1500 feet per minute, resulting in possible total printed area of 40,000 sq. ft./min.

Item 6: The operating temperature of the dryer is approximately 600oF. The density of the evaporating solvent is 6.77 lb./gallon.

Item 7: The reactivity of the solvent is stable. The hydrocarbon compounds are not photo chemically reactive with the atmosphere and Ozone is not formed.

Item 8: As per the manufacturer there is no chemical name other than:  $\text{C}_{14}$ - $\text{C}_{15}$  Paraffins, Cycloparaffins & Aromatics. The manufacturer of the solvent did render the following information:

Vapor pressure is less than 2 mm of Hg. @ 20° C  
Density is 7 times heavier than air  
Boiling point is 465° F  
Flash point is 235° F

The Material Safety data sheets are attached.

In regards to your note on page two, the only waste product of the new plant will be paper, which will be baled and sold for recycling purposes.

If there are any questions, please call Paul Smith or Kent Evans at 804/528-1901 or write to the above address.

Sincerely,

WILEY & WILSON

W. M. Greenwood, P.E.  
President

WMG:jn



DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND TRANSMITTAL SLIP**

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

*Bill Thomas*

Initial

Date

2.

Initial

Date

3.

Initial

Date

4.

Initial

Date

REMARKS:

INFORMATION

Review & Return

Review & File

Initial & Forward

DISPOSITION

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

*TO* ✓

*12/10/85*

*Tell me what this is about.*

*Consultant said emissions went away. Permit now on Pub. notice with requirement for monitoring plan. Tom Cobb aware of this & has verbally agreed to it. ST*

FROM:

*Steve Smallwood*

DATE

*11/26/85*

PHONE

*file*

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

November 4, 1985

Mr. Thomas T. Cobb  
P.O. Box 191  
Daytona Beach, Florida 32015

Dear Mr. Cobb:

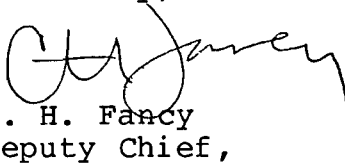
Re: News Journal Corporation Application for Construction of  
Offset Printing Facility, AC 64-98628.

Thank you for your interest in the above referenced  
application.

To confirm your discussion with Mr. William Thomas on  
November 1, 1985, the bureau has received additional information  
from Wiley and Wilson, which will help to evaluate News Journal's  
project. However, one issue, on which information was requested,  
was not adequately addressed. The bureau needs to know how the  
organic compound emissions from the dryer are going to be  
handled. Despite the high stack gas velocity, the temperature  
drop from 600°F (in the dryer) to 80°F (ambient conditions) would  
cause condensation of the organic vapors, and may well deposit  
this residue on property in the vicinity of this site. Since  
about 176 tons per year will be thus emitted, the bureau must  
know what control measures News Journal will adopt.

If you have any questions, do not hesitate to call Pradeep  
Raval at (904) 488-1344 or write to me at the above address.

Sincerely,

  
C. H. Fancy  
Deputy Chief,  
Bureau of Air Quality  
Management

CHF:bjs

2310 Langhorne Road  
P.O. Box 877  
Lynchburg, Virginia 24505-0877  
(804) 528-1901

October 11, 1985

Mr. W. A. Thomas  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32301Re: Commercial Printing Plant  
News Journal Corporation  
South Daytona, Florida

Dear Mr. Thomas:

Thank you very much for your courtesy and guidance during our telephone conversation of this morning. We have re-calculated the emissions to be expected from each press (source) in the new plant as you suggested. These calculations are as follows:

Ink used from plant records 8.28#/press unit/hr.  
(See letter dated June 14, 1985 - K.E. to A.T.S., copy attached)

New plant is expected to operated 24 hrs./day, 7 days/wk., 52 wks./year and to be producing product approximately 65% of the available time.

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$$\text{Emissions } 117 \text{ tons/yr.} \times 36\% \times 80\% = 34 \text{ tons/yr.}$$

DER

OCT 16 1985

BAQM

Mr. W. A. Thomas  
Page 2  
October 11, 1985

Source #4 (Existing M845 Press - 5 units)

Same as Source #3 Emissions 34 tons/yr.

Total Plant Emissions

Source #1	=	54
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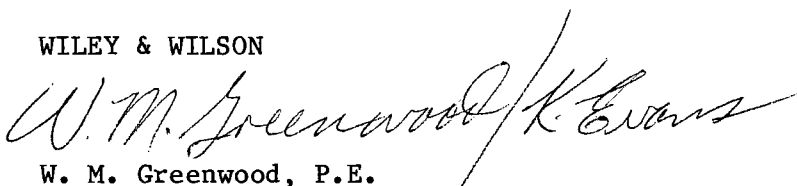
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Very truly yours,

WILEY & WILSON



W. M. Greenwood, P.E.  
President

WMG:KE:jn

June 14, 1985

2310 Langhorne Road  
 P.O. Box 877  
 Lynchburg, Virginia 24505-0877  
 (804) 528-1901

Department of Environmental Regulation  
 St. Johns River District  
 3319 Maguire Blvd.  
 Suite 232  
 Orlando, Florida 32803-3767

Attention: Mr. A. T. Sawicki, P.E.

Dear Mr. Sawicki:

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Department of Environmental Regulation  
Page 2  
June 14, 1985

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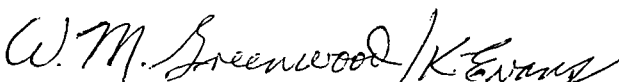
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If there are any questions, please call Paul Smith or Kent Evans at 804/528-1901 or write to the above address.

Sincerely,

WILEY & WILSON



W. M. Greenwood, P.E.  
President

WMG:jn

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

October 1, 1985

Mr. Thomas T. Cobb  
Cobb and Cole  
Post Office Box 191  
Daytona Beach, Florida 32015


Dear Mr. Cobb:

Thank you for your September 23 letter bringing the News-Journal Corporation's air permitting problem to my attention.

The file on this permit was reviewed by the Bureau of Air Quality Management. In view of both the properties and the potential emissions of the solvent of approximately 61.6 tons per year under the plan of operation presented, we do not feel that any appreciable problems should be encountered in the issuance of the permit.

In the very near future, our staff will be calling you to resolve this permit as expeditiously as possible.

Sincerely,

  
Victoria J. Tschinkel  
Secretary

VJT/jw

cc: Steve Smallwood  
Alex Alexander

DER

OCT 04 1985

BAQM

LAW OFFICES  
COBB & COLE

150 MAGNOLIA AVENUE  
POST OFFICE BOX 191  
DAYTONA BEACH, FLORIDA 32015  
TELEPHONE (904) 255-8171

NEW YORK OFFICE  
THE NEWS BUILDING  
220 EAST FORTY-SECOND STREET  
NEW YORK, NEW YORK 10017  
(212) 682-3080  
TELEX: 649324-ICIYC-NYK

THOMAS T. COBB  
W. WARREN COLE, JR.  
JOHN P. MCCOY  
ROBERT ABRAHAM  
SAMUEL P. BELL III  
JAY D. BOND, JR.  
JONATHAN D. KANEY JR.  
DAVID A. MONACO  
J. LESTER KANEY  
WILLIAM C. ROBINSON, JR.  
CHARLES D. HOOD, JR.  
MICHAEL J. MORIARTY\*

ROBERT S. MACDONALD  
TERENCE R. PERKINS  
LARRY D. MARSH  
DOUGLAS DANIELS  
NEAL D. BOWEN  
CARLA M. MARTIN  
ERIC H. MILLER

\* ADMITTED IN NEW YORK ONLY

September 23, 1985

RECEIVED  
DERD

SEP 23 1985  
SEP 25 1985

Office of the Secretary  
BAQM

Ms. Victoria J. Tschinkel, Secretary  
State of Florida  
Department of Environmental Regulation  
Twin Towers  
2600 Blairstone Road  
Tallahassee, Florida 32301

Dear Ms. Tschinkel:

First, let me thank you for the assistance you and your people gave me with respect to the storm water retention permitting at the new News-Journal Corporation's commercial printing plant project in South Daytona, now nearing completion.

The latest problem has to do with the question of whether or not pollution control equipment will be required at this plant. Because of the size of the operation, the matter has been referred by Orlando to Tallahassee and it is my understanding that Mr. Thomas, Supervisor of Air Permitting and Permit Engineer Supervisor, has received this from Mr. Suresh Chandnani of the Orlando office.

The engineering on this plant has been done by Wiley & Wilson of Lynchburg, Virginia, and I am enclosing a copy of their letter of September 16, 1985 to Mr. Chandnani.

My reason for writing you is that we seem to be plagued with experts who do not respond to these environmental problems in a timely manner, which pushes News-Journal right to the wall.

Full power will in all probability be available at the South Daytona plant during the first week in October. Testing for the new Harris M-1000 A magazine press is scheduled to begin as soon as power is available, and the first job is scheduled on the press the second week of November. Any delay in start up operations will, of course, be very costly to News-Journal.

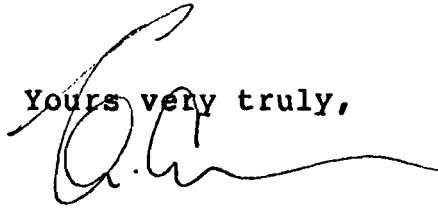


COBB & COLE

Ms. Victoria Tschinkel  
September 23, 1985  
Page 2

I certainly don't want to be understood as asking permission to grossly pollute the atmosphere, but as I read the Wiley & Wilson submission of September 16, the low level and content of the emissions is such that they conclude that under Florida regulations, no add on pollution control equipment is required. Therefore, what I am looking for is some assurance that the plant can be operated while this matter is being reviewed and resolved. Any consideration you can give to this request will be deeply appreciated.

Yours very truly,

A handwritten signature in black ink, appearing to read 'T. Cobb', with a long horizontal flourish extending to the right.

Thomas T. Cobb

TTC:pns  
Enclosure  
6DDIE.80

DEPARTMENT OF ENVIRONMENTAL REGULATION

<b>ROUTING AND TRANSMITTAL SLIP</b>	ACTION NO.
	ACTION DUE DATE
1. TO: (NAME, OFFICE, LOCATION)	INITIAL
Bill Thomas, Air Permitting Section	DATE
2. BAQM	INITIAL
	DATE
3. DER Tallahassee.	INITIAL
	DATE
4.	INITIAL
	DATE

REMARKS:  
 Bill,  
 As discussed with you over the phone, I am sending you the whole permit file package for News Journal Corporation for further review & issuance of Constr. permit. The actual emissions for this source are greater than 100 tons/yr & is therefore a major Facility. PSD is not applicable.

INFORMATION
REVIEW & RETURN
REVIEW & FILE
INITIAL & FORWARD
DISPOSITION
REVIEW & RESPOND
PREPARE RESPONSE
FOR MY SIGNATURE
FOR YOUR SIGNATURE
LET'S DISCUSS
SET UP MEETING
INVESTIGATE & REPT
INITIAL & FORWARD
DISTRIBUTE
CONCURRENCE
FOR PROCESSING
INITIAL & RETURN

FROM: Suresh Chandrasekhar	DATE: 09/09/85
Jc.	PHONE: 393-1403

DEPARTMENT OF ENVIRONMENTAL REGULATION

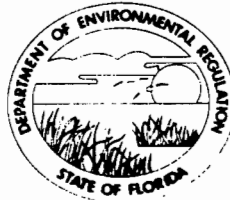
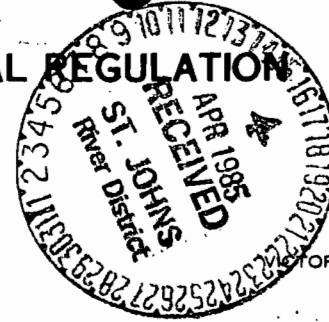
DER

SEP 24 1985

BOB GRAHAM GOVERNOR

TORIA J. TSCHINKEL SECRETARY

A. ALEXANDER DISTRICT MANAGER



PAID 1000 APR 17 1985

SAINT JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD SUITE 232 ORLANDO, FLORIDA 32803-3767

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Offset Printing Press [X] New [ ] Existing

APPLICATION TYPE: [X] Construction [ ] Operation [ ] Modification

COMPANY NAME: News Journal Corporation COUNTY: Volusia

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Offset Press

SOURCE LOCATION: Street U. S. Route 1 City South Daytona

UTM: East 501,350 North 1,751,100

Latitude 29° 08' 37" N Longitude 80° 57' 43" W

APPLICANT NAME AND TITLE: Mr. Tippen Davidson

APPLICANT ADDRESS: 901 Sixth Street, Daytona Beach, Florida 32017

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

Daytona Beach

I am the undersigned owner or authorized representative\* of News-Journal Corporation

I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: Tippen Davidson

Tippen Davidson, Vice President

Name and Title (Please Type)

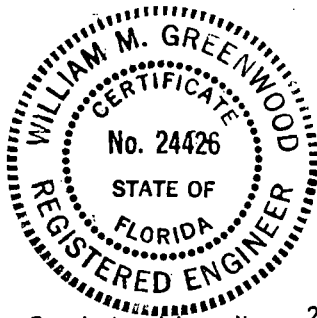
Date: 4-15-85 Telephone No. (904) 252-1511

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

1 See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed William M. Greenwood

W. M. Greenwood, P.E.

Name (Please Type)

Wiley & Wilson

Company Name (Please Type)

P. O. Box 877, Lynchburg, Virginia 24505

Mailing Address (Please Type)

Florida Registration No. 24426 Date: April 9, 1985 Telephone No. (804)528-1901

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

(See attached Sheet)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction January 1, 1985 Completion of Construction September 1, 1985

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

None

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

None

\_\_\_\_\_  
\_\_\_\_\_

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 52; if power plant, hrs/yr -; if seasonal, describe: Normal operation of the equipment is three shifts, 5 days per week, 52 weeks per year with approximately 40 percent downtime for product changes, rewebbing, cleanup, etc.

F. If this is a new source or major modification, answer the following questions. (Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? No
  - a. If yes, has "offset" been applied? \_\_\_\_\_
  - b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_
  - c. If yes, list non-attainment pollutants. \_\_\_\_\_
2. Does best available control technology (BACT) apply to this source? No  
If yes, see Section VI.
3. Does the State "Prevention of Significant Deterioration" (PSD) requirement apply to this source? If yes, see Sections VI and VII. No
4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? No
5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? No
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? No
  - a. If yes, for what pollutants? \_\_\_\_\_
  - b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.



D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Not Applicable				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	0.0105	0.0209	22

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: 0 Percent Ash: 0

Density: - lbs/gal Typical Percent Nitrogen: -

Heat Capacity: 1,042 BTU/CF BTU/lb - BTU/gal

Other Fuel Contaminants (which may cause air pollution): -

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

None Generated

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 30 ft. above floor slab \_\_\_\_\_ ft. Stack Diameter: 0.833 ft.  
 Gas Flow Rate: 4,000 ACFM 1,975 DSCFM Gas Exit Temperature: 600 °F.  
 Water Vapor Content: 1.2 % Velocity: 100 FPS  
 (Typical of each press)

**SECTION IV: INCINERATOR INFORMATION**

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_



Brief description of operating characteristics of control devices: \_\_\_\_\_

---

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Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

---

---

---

---

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

**SECTION V: SUPPLEMENTAL REQUIREMENTS**

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes  No

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

- |                           |                          |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:*           | 4. Capital Costs:        |

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

a. Height:

ft.

b. Diameter:

ft.

c. Flow Rate:

ACFM

d. Temperature:

°F.

e. Velocity:

FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

**SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION**

**A. Company Monitored Data**

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent?  Yes  No
- b. Was instrumentation calibrated in accordance with Department procedures?  
 Yes  No  Unknown

B. Meteorological Data Used for Air Quality Modeling

- 1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year
- 2. Surface data obtained from (location) \_\_\_\_\_
- 3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_
- 4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

- 1. \_\_\_\_\_ Modified? If yes, attach description.
- 2. \_\_\_\_\_ Modified? If yes, attach description.
- 3. \_\_\_\_\_ Modified? If yes, attach description.
- 4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sup>2</sup>	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

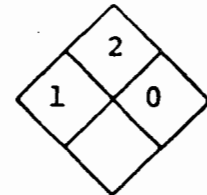
H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.



(SECTION III-A)

# MATERIAL HEALTH AND SAFETY BULLETIN

Union Chemicals Division  
Petrochemical Group



UCD No.: 802  
Product Code No.: 1272

UN No. -

MANUFACTURER'S NAME  Union Chemicals Division, Union Oil Company of California	
STREET ADDRESS  1345 North Meacham Road	
CITY, STATE, AND ZIP CODE  Schaumburg, Illinois 60196	Business Phone: (312) 885-5450
EMERGENCY TELEPHONE NO.  Transportation Emergencies call CHEMTREC (800) 424-9300 Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121	

PRODUCT: Ink Oil 10-500 COMMON NAME: AMSCO Solv 1272 GENERIC NAME: Volatile Solvent CHEMICAL NAME: Not Applicable CHEMICAL FAMILY: Hydrocarbon Mixture DOT PROPER SHIPPING NAME: Not Applicable	WARNING STATEMENT:  Can Catch Fire. DO NOT induce vomiting if swallowed. For industrial use only.
---	---

### Section I -- INGREDIENTS

	TLV*		TLV*
C <sub>14</sub> -C <sub>15</sub> Paraffins, Cyclo-paraffins & Aromatics	NE*		

\*Threshold Limit Value    A, OSHA     B, ACGIH     C. See Section III     D, Other

\*Not Established

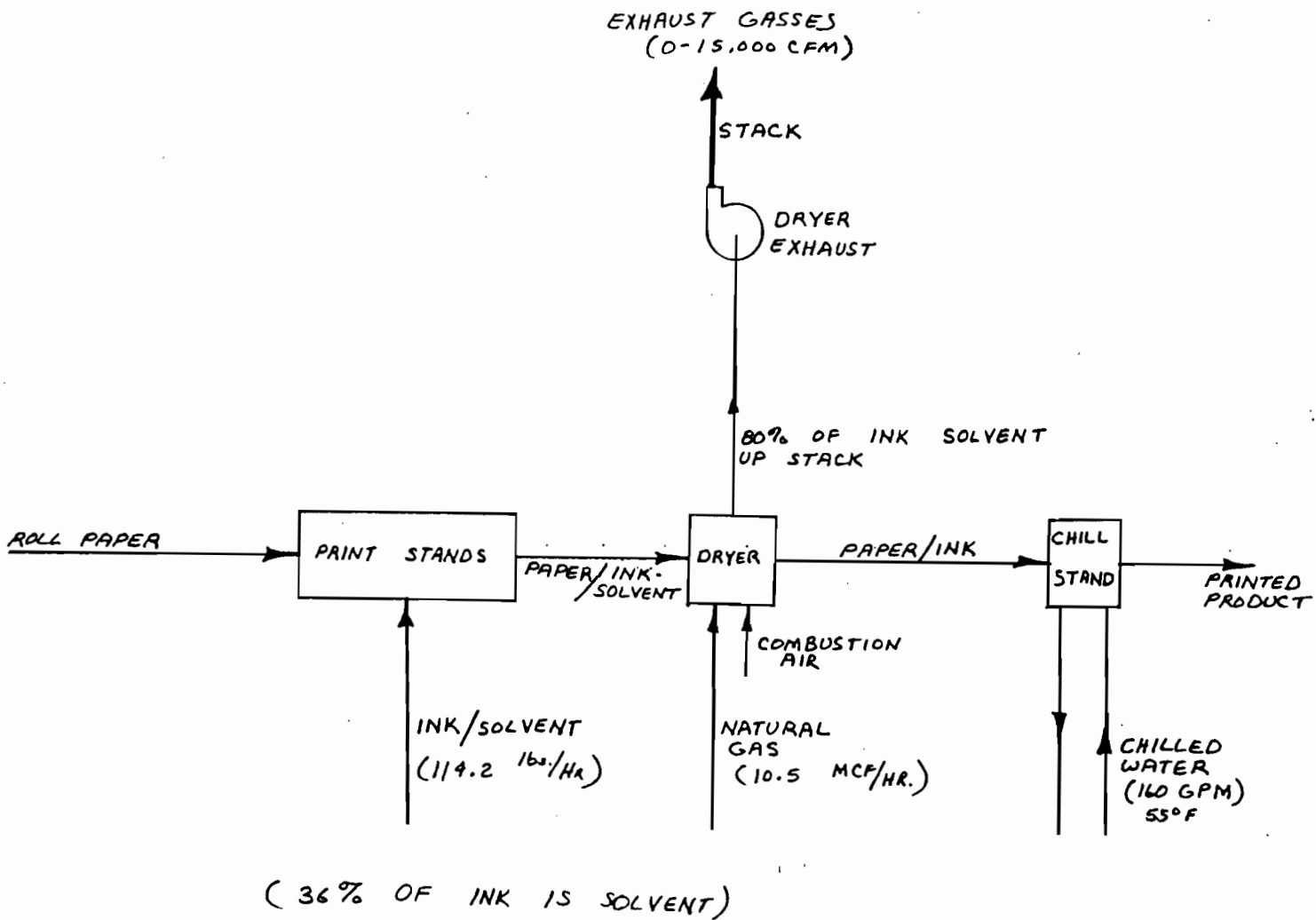
(Section II-A)

Project involves construction of a new off-set printing plant, to replace an existing smaller one. New plant will consist of a roll-storage area, bindery area, and pressroom. Four presses in the pressroom use a heat-set printing ink, the ink solvent is vaporized in the press dryers and exhausted to the atmosphere. ~~There will be no pollution control devices.~~ It is our opinion that the project will result in compliance with Florida State Environmental Regulations.

(Section III-C)

Ink utilization and emission calculations were based on 1983 figures for ink usage. Since 1983 figures were higher than 1984, the higher was used.





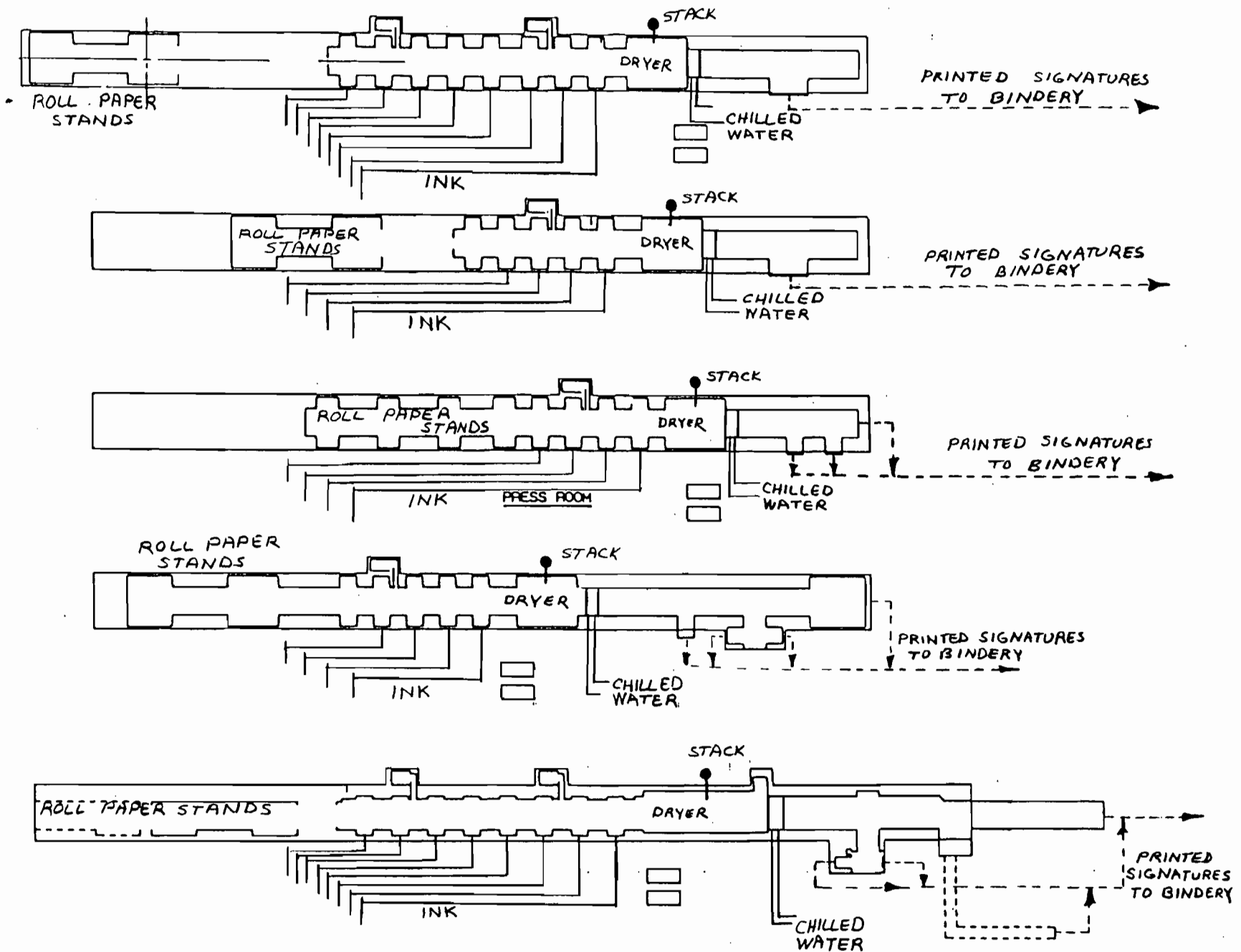
Project News-Journal

By A. P. Smith

Date \_\_\_\_\_

Comm. No. \_\_\_\_\_

Sheet No. \_\_\_\_\_



Project News - Journals

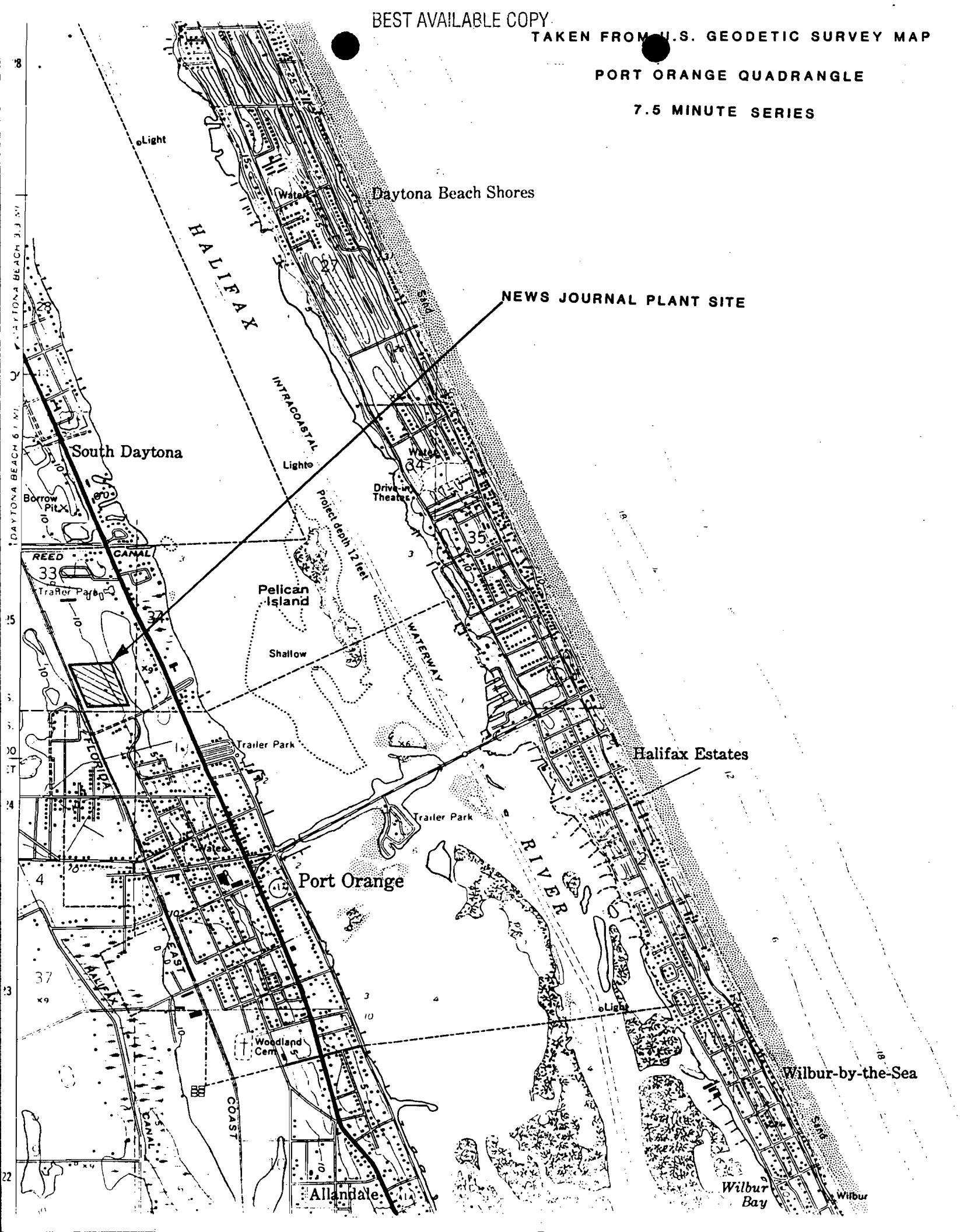
By L. P. Smith

Date

Comm. No.

Sheet No.





Light

Daytona Beach Shores

HALIFAX

NEWS JOURNAL PLANT SITE

INTRACOASTAL

Light

Project depth 12 feet

Drive-in Theater

South Daytona

Pelican Island

Shallow

WATERWAY

Trailer Park

Halifax Estates

Trailer Park

Port Orange

RIVER

Light

Wilbur-by-the-Sea

Woodland Cem.

Allandale

Wilbur Bay

Wilbur

## DESIGN CALCULATIONS

Ink Use Calculations:

- 1) At present the presses run an average of approximately 50% of time.
- 2) Estimated Future (New plant)  
Presses will run 65% of time.
- 3) Existing Plant has 10 press units.  
New plant has 26 press units.

$$\text{Present avail. run time} = 5 \text{ days} \times 24 \text{ hrs} \times 52 \text{ wks} = 6240 \text{ Hrs./yr.}$$

$$\text{Future avail. run time} = 7 \times 24 \times 52 = 8736 \text{ Hrs./yr.}$$

$$\therefore \text{Present Ink usage} \times \frac{26}{10} \times \frac{0.65}{0.50} = \text{Estimated Future Ink Usage}$$

Present Average Hourly Ink Usage

- 1)  $\frac{\text{Total Yearly lbs.}}{\text{Avail. oper. Hrs.}} = \text{Avg. \# / Hr. total}$
- 2)  $\frac{\text{Avg. \# / Hr. total}}{10 \text{ units}} = \text{Avg. \# / Hr. / unit}$
- 3)  $\frac{\text{Total Yearly lbs.}}{\text{Avail. oper. Hr.} \times 0.5} = \text{Max. \# / Hr. total}$
- 4)  $\frac{\text{Max. \# / Hr. total}}{10 \text{ units}} = \text{Max. \# / Hr. / unit}$

## DESIGN CALCULATIONS

Future Ink Usage New Plant

$$1) \frac{\text{Total Yearly lbs.}}{\text{Avail. oper. Hrs.}} = \text{Avg. \#/hr. total}$$

$$2) \frac{\text{Avg. \#/hr. total}}{26} = \text{Avg. \#/hr./unit}$$

$$3) \frac{\text{Total \#/year}}{\text{Avail. Hrs./year} \times 0.65} = \text{Max. \#/hr. total}$$

$$4) \frac{\text{Max. \#/hr. total}}{26} = \text{Max. \#/hr./unit}$$

From Ink manufacturer 36% of Ink is solvent  
80% of solvent goes up stack.

# DESIGN CALCULATIONS

Maximum Gas Consumption is a start-up

20,920 CFH total \*

Normal Consumption is 50% of start-up

10,460 CFH total \*

Maximum Heat Input = Max. Consumption X Heat Capacity

\* total for all presses

Project New - Journal Comm. No. \_\_\_\_\_

By L.P.D. Date \_\_\_\_\_ Sheet No. 3 of 3

**Wiley & Wilson**  
Architects Engineers Planners

2310 Langhorne Road  
P.O. Box 877  
Lynchburg, Virginia 24505-0877  
(804) 528-1901

September 16, 1985

State of Florida  
Department of Environmental Regulation  
St. Johns River District  
3319 Maguire Boulevard  
Suite 232  
Orlando, Florida 32803-3767



ATTENTION: Mr. Suresh Chandnani

Gentlemen:

Referring to our conversation on September 13, 1985, and the D.E.R. letter of July 17, 1985, signed by Mr. A. T. Sawicki, we have developed additional information which should be considered in your evaluation of Permit Application No. AC64-98628 covering a new commercial printing plant for News-Journal Corporation in South Daytona, Florida. These added data are as follows:

1. The emissions from the press dryers will be vaporized solvent used in ink manufacture and products of combustion of natural gas. The vaporized solvent has a vapor pressure at standard conditions much below 0.1 mm of mercury and, therefore, is not considered V.O.C. in accordance with Florida Regulations. In support of this we are attaching letters from three firms which might supply ink to the News-Journal Corporation and copies of the M.S.D.S. sheets furnished to us by these manufacturers. The information in these documents is correct to the best of our knowledge.
2. Using the quantity of natural gas which will be consumed, and calculating products of combustion by reference to AP-42, Table 1-4.1, emissions from the burning gas will be:

<u>Emission Type</u>	<u>Normal Running</u>	<u>Max. Rate (Start-Up)</u>
Particulates	1.08 #/10 <sup>6</sup> ft. <sup>3</sup>	1.6 #/10 <sup>6</sup> ft. <sup>3</sup>
Nitrogen Oxides	148.15 #/10 <sup>6</sup> ft. <sup>3</sup>	201.86#/10 <sup>6</sup> ft. <sup>3</sup>
Carbon Monoxide	35.1 #/10 <sup>6</sup> ft. <sup>3</sup>	35.75#/10 <sup>6</sup> ft. <sup>3</sup>
Non-Methane	1.43 #/10 <sup>6</sup> ft. <sup>3</sup>	1.61#/10 <sup>6</sup> ft. <sup>3</sup>
Methane	0.354#/10 <sup>6</sup> ft. <sup>3</sup>	0.71#/10 <sup>6</sup> ft. <sup>3</sup>
<b>TOTAL</b>	<b>186.114#/10<sup>6</sup> ft.<sup>3</sup></b>	<b>241.53#/10<sup>6</sup> ft.<sup>3</sup></b>



State of Florida  
September 16, 1985  
Page 2



Heating Rate	$\frac{11.79 \times 10^6 \text{ BTU/HR}}{1028 \text{ BTU/CF}}$	$\frac{23.58 \times 10^6 \text{ BTU/HR}}{1028 \text{ BTU/CF}}$
Heating Value		

Gas Usage	$0.0115 \times 10^6 \text{ CF/HR}$	$0.023 \times 10^6 \text{ CF/HR}$
-----------	------------------------------------	-----------------------------------

Total Emissions	$186.1 \times 0.0115 = 2.14 \text{ \#/HR}$	$241.53 \times 0.023 = 5.56 \text{ \#/HR}$
-----------------	--	--

Annual Emissions	9.4 Tons	24.3 Tons
------------------	----------	-----------

Since the total emissions from all sources is less than 250 tons per year, and no V.O.C. is generated, it would appear that this installation should not be required to have, "add-on" pollution control equipment.

3. There will be no emissions from chill rolls or any other sources in the printing process.
4. The estimated amount of ink shown in our revised calculations is correct.
5. You will note that no  $\text{SO}_2$  is indicated in the above analysis. This is correct since neither the natural gas or the ink contains sulfur. A copy of a recent gas analysis submitted by the Florida Gas Transmission Company is attached for your information in this regard.

We believe that all of the requested information is included above and that the News-Journal permit application may now be considered complete. If any additional data is needed, however, please let us know as soon as possible.

Very truly yours,

WILEY & WILSON

*W M Greenwood*  
W. M. Greenwood, P. E.

WMG:zp

cc: R. E. MacLaughlan  
Mr. Tippen Davidson  
L. P. Smith

BEST AVAILABLE COPY

FLORIDA GAS TRANSMISSION CO.  
TECHNICAL OPERATIONS DEPT.  
P. O. BOX 44  
WINTER PARK FL 32790-0044

GAS ANALYSIS ID NUMBER 85 0440 MEAS. DIST. 07

METER STATION NAME FLA HYDROCARBON - OUTLET STATION NO. 47188

FIELD DATA TAKEN BY A. KATTAWAR DATE TAKEN 06-25-85  
PRESSURE 685 TEMPERATURE 0 SPEC GRAV 0.5780  
BTU 1021 WATER 0.0000 H2S 0.2 GR  
DATA ANALYZED BY MICHAEL P. CAMPU DATE ANAL. 07-01-85

COMPONENT	MOLE %	B.T.U.	GPM	SPEC GRAV
OXYGEN	0.0000	0.0000	0.0000	0.0000
NITROGEN	0.4890	0.0000	0.0000	0.0047
CARBON DIOXIDE	0.7520	0.0000	0.0000	0.0114
METHANE	95.6590	951.3300	0.0000	0.5300
ETHANE	2.8120	48.9900	0.0000	0.0292
PROPANE	0.2520	6.2500	0.0694	0.0038
I BUTANE	0.0050	0.1600	0.0016	0.0001
N BUTANE	0.0020	0.0600	0.0006	0.0000
I PENTANE	0.0000	0.0000	0.0000	0.0000
N PENTANE	0.0000	0.0000	0.0000	0.0000
HEXANE PLUS	0.0290	1.4900	0.0128	0.0010
TOTALS	100.0000	1008.2800	0.0844	0.5802

BTU/CU FT AT 14.73 PSIA 60 DEG F CORRECTED FOR Z

CALCULATED SATURATED 1010 DRY 1028 0.000C LB/MMCF 1028  
CALORIMETER SATURATED 1009 DRY 1027  
SPECIFIC GRAVITY - AIR = 1.0000 CALC 0.5802 RANAREX 0.5800

COMPRESSIBILITY FACTOR - Z = 0.9579  
SUPERCOMPRESSIBILITY FACTOR CALC AT 0.5800 SP GR 600 PSIG 90 DEG  
BY TEST WITH BURNETT APPARATUS 1.0342  
CALC AGA-NX-19 NO DILUENTS 1.0369  
CALC AGA-NX-19 ADJUSTED FOR DILUENTS 1.0357

NOTES PHYSICAL CONSTANTS FROM AGA 3  
GPM FROM NGPA PUB NO 2145-84  
HEXANE PLUS DERIVED FROM PHILLIPS REF STANDARD

REMARKS PERCENT DIFFERENCE WITH RESPECT TO BURNETT APPARATUS  
FOR CALCULATED VALUE USING AGA-NX-19 FORMULA AND  
ADJUSTED FOR DILUENTS EQUALS ( + 0.145 ).  
BURNETT APPARATUS MAY HAVE HAD AIR AT BEGINING OF TEST.



9-23

0320-0046-0177680834

FROM

THOMAS T. COBB

904 255-8171

FEDERAL EXPRESS USE ONLY

COBB & COLE

150 MAGNOLIA AVENUE

DAYTONA BEACH FL 32014

USA

Drop off at Service Center/Station  
Is original with this form?  Yes  No

Dispatch # 0026

Employee # 27809

Time 1125 Date 9-23

Remarks

Tax exempt

TO

MS. VICTORIA J. TSCHENKEL

(904) 488-4805

State of Florida  
Department of Environmental Regulation

2600 Blairstone Road

Tallahassee, FL 32301

USA

Basic charge

State/local taxes

Federal taxes/duties

Forwarded original charge

Other charges

Valuation charge

Total charge

Cash received at  origin  destination

Employee #

Country codes

Origin Destination

Address correction

Street

City State Zip

Employee # Date

Original returned at FEC location

Time Date

Delivery courier #

Received by

International

1

2

3

TRANSMISSION

Recipients 1

Copies 1

4  Hold for pickup

Saturday service  Other:

BILL TO FEC acct.  Sender's  Recipient's acct. #

Third party's acct. #

5 Credit card  Amex  MasterCard  VISA  Other:

Card #

Exp.

Cash

# pages 4 Page size 8-1/2x11 Value \$ N/A Currency:

6

HANDLING OF ORIGINAL

Hold for sender

Return to sender  Deliver to other party

MS VICTORIA J. TSCHENKEL 904 488-4805  
STATE OF FLORIDA  
2600 BLAIRSTONE ROAD  
TALLAHASSEE FL 32301 USA.

7

Hold for pickup

Saturday service

Other:

Part #2041738800 Printed in U.S.A. Rev. 3/84 GBF

SCANNED AT 11:31 ON 09/23/85

FROM MPN 9042586999

RECIPIENT COPY

PRINTED AT 13:14 ON 09/23/85

TO MPN 9048771001

004 PAGES PRINTED

STATE OF FLORIDA

SEP 24 1985

DEPARTMENT OF ENVIRONMENTAL REGULATION

BAQM

ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD  
SUITE 232  
ORLANDO, FLORIDA 32803-3767



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

ALEX ALEXANDER  
DISTRICT MANAGER

W.M. Greenwood, P.E.  
Wiley & Wilson Architects, Engineers, Planners  
Post Office Box 877  
Lynchburg, Virginia 24505

Dear Mr. Greenwood:

Volusia County - AP  
News Journal Corporation (Dayton Beach)  
Web Offset Printing Press Facility  
Permit Application No: AC64-98628

A review of the revised air emission calculations and figures submitted for the referenced air pollution source indicates that it is a major source since VOC emissions exceed 100 tons/year.

In accordance with Rule 17-2.620(1)(a)F.A.C. the Department has determined that it is necessary to install an appropriate pollution control device to significantly reduce VOC emissions for this Web Offset Printing Press Facility.

A review of your revised application to construct the referenced source indicates that it is incomplete. The following is required to complete the application:

- (1) Step-wise calculations to estimate emissions from natural gas combustion in the direct flame ink dryer. (AP-42, Table 1-4.1 may be used as a reference).
- (2) Indicate if there will be any emissions from the chill stands or any other point.

Please note that the estimated amount of ink utilized (=1,222,500 lb/yr), used in the revised emission calculations is not consistent with the ink utilization rate of 120 lbs/hr (=1048,320 lbs/yr) entered in the previously submitted application form.

RECEIVED

CONTINUED . . . . .

JUL 22 1985

W.M. Greenwood, P.E.  
Volusia County - AP  
OSJ-AP-85-0288  
Page Two

Pursuant to Section 120.60(2) Florida Statutes, the department may deny a permit application if the applicant, after receiving timely notice, fails to correct errors, omissions, or supply additional information within a reasonable period of time.

Upon receipt of your response to the above items processing of your application will continue. Please refer to this letter in your response.

If there are any questions, please call Suresh Chandnani at 305/894-7555 or write me at the above address.

Sincerely,

*A. T. Sawicki*  
A. T. Sawicki, P.E.  
Air Engineering

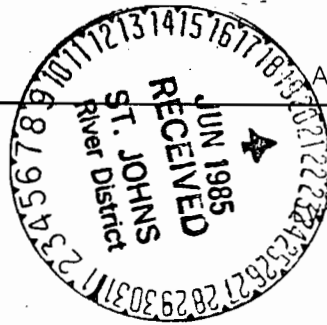
*C. M. C. W.*  
ATS:scm

cc: Bill Thomas,  
BAQM, DER Tally.

**Wiley & Wilson**

Architects Engineers Planners

2310 Langhorne Road  
P.O. Box 877  
Richburg, Virginia 24505-0877  
(804) 528-1901



June 14, 1985

Department of Environmental Regulation  
St. Johns River District  
3319 Maguire Blvd.  
Suite 232  
Orlando, Florida 32803-3767

Re: News-Journal Corporation  
Daytona Beach, FLA  
W&W Comm. No. 84044.02

Attention: Mr. A. T. Sawicki, P.E.

Dear Mr. Sawicki:

In reference to your letter of May 7th, we have made the following comments as an addendum to the application.

Item 1; "assumed credit for removing existing source", should be deleted.

Item 2;

Usage in present Plant (Heat Set)

	<u>1983</u>	<u>1984</u>
Purchased	286,485#	309,416#
Misc. (Estim.)	<u>25,000#</u>	<u>(included)</u>
	311,485#	309,416#

Average of 310,000 #/yr.

Above figures used in 10 printing units operating on a 5 day week, 24 hrs./day, 52 weeks/yr. Presses are down approximately 40% of available time for change-over, maintenance, adjustment, etc.

Ink used 1983 and 1984 on a per unit basis =

$$\frac{310,000\#}{10 \text{ units} \times 5 \times 24 \times 52 \times 0.60} = 8.28\#/\text{unit}/\text{hr.}$$

At new plant there will be 26 units in 4 presses which run 24 hrs. 7 days for 52 weeks per year with approximately 35% downtime. From this the estimated amount of ink used in the future is equal to the following:

$$\text{Ink usage} = 8.28/\text{unit}/\text{hr.} \times 26 \text{ units} \times 7 \times 24 \times 52 \times 0.65$$

$$= 1,222,500\#/\text{yr. of ink total}$$

Department of Environmental Regulation  
Page 2  
June 14, 1985

Ink contains 36% solvent, of which 80% is vaporized in the press dryers. The remaining 20% stays in dry ink on substrate.

$$\text{Estimated total emissions from plant} = \frac{1,141,500 \times 0.36 \times 0.80}{2,000 \text{ lb./ton}}$$

= 176 tons/yr.

*? inconsistent*

*293.5 Tons/yr*

✓ Item 3: The emissions due to combustion are mostly CO<sub>2</sub> and H<sub>2</sub>O.

✓ Item 4: There will be no other inks/coatings/solvents used other than the one dealt with in this application.

✓ Item 5: Due to varying types of papers used a set maximum for the capacity of the web offset printing press in tons of paper cannot be determined. The maximum width of the web is 40 inches and the maximum velocity is approximately 1500 feet per minute, resulting in possible total printed area of 40,000 sq. ft./min.

✓ Item 6: The operating temperature of the dryer is approximately 600°F. The density of the evaporating solvent is 6.77 lb./gallon.

*9.4*  
Item 7: The reactivity of the solvent is stable. The hydrocarbon compounds are not photo chemically reactive with the atmosphere and Ozone is not formed.

✓ Item 8: As per the manufacturer there is no chemical name other than: C<sub>14</sub>-C<sub>15</sub> Paraffins, Cycloparaffins & Aromatics. The manufacturer of the solvent did render the following information:

✓ Vapor pressure is less than 2 mm of Hg. @ 20° C

Density is 7 times heavier than air

Boiling point is 465° F

Flash point is 235° F

The Material Safety data sheets are attached.

In regards to your note on page two, the only waste product of the new plant will be paper, which will be baled and sold for recycling purposes.

✓ If there are any questions, please call Paul Smith or Kent Evans at 804/528-1901 or write to the above address.

Sincerely,

WILEY & WILSON

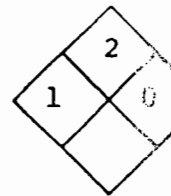
*W. M. Greenwood*

W. M. Greenwood, P.E.  
President

WMG:jn

# MATERIAL HEALTH AND SAFETY BULLETIN

Union Chemicals Division  
Petrochemical Group



UCD No.: 802

Product Code No.: 1272

UN No. -

<b>MANUFACTURER'S NAME</b>  Union Chemicals Division, Union Oil Company of California	
<b>STREET ADDRESS</b>  1345 North Meacham Road	
<b>CITY, STATE, AND ZIP CODE</b>  Schaumburg, Illinois 60196	<b>Business Phone:</b> (312) 885-5450
<b>EMERGENCY TELEPHONE NO.</b>  Transportation Emergencies call CHEMTREC (800) 424-9300 Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121	

**PRODUCT:** Ink Oil 10-500  
**COMMON NAME:** AMSCO Solv 1272  
**GENERIC NAME:** Volatile Solvent  
**CHEMICAL NAME:** Not Applicable  
**CHEMICAL FAMILY:** Hydrocarbon Mixture  
**DOT PROPER SHIPPING NAME:**  
 Not Applicable

**WARNING STATEMENT:**  
  
 Can Catch Fire.  
 DO NOT induce vomiting if swallowed.  
 For industrial use only.

**Section I - - INGREDIENTS**

	TLV*		TLV*
$C_{14}-C_{15}$ Paraffins, Cyclo-paraffins & Aromatics	NE*		

\*Threshold Limit Value    A. OSHA     B. ACGIH     C. See Section III     D. Other

\*Not Established



## Section II - EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY: Have a physician call LOS ANGELES POISON CONTROL CENTER (24 hrs.) 213/664-2121

Eye Contact	If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes and seek immediate medical attention.
Skin Contact	If this product comes in contact with the skin, wash with soap and large quantities of water and seek medical attention if irritation from contact persists.
Inhalation	If breathing difficulties, dizziness, or lightheadedness occur when working in areas with high vapor concentrations, victim should seek air free of vapors. If victim experiences continued breathing difficulties, administer oxygen until medical assistance can be rendered. If breathing stops, begin artificial respiration and seek immediate medical attention.
Ingestion	If this product is swallowed, DO NOT induce vomiting. Seek immediate medical advice and/or attention.

## Section III - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

Eye Effects	This product may be an eye irritant.
Skin Effects	This product may cause skin irritation upon prolonged or repeated contact.
Systemic Effects	Various studies have shown a possible association with exposure to this product and the following:  Nausea and vomiting

**Section IV - - SPECIAL PROTECTION INFORMATION**

Respiratory Protection (Specify Type)	The use of respiratory protection depends on vapor concentration above the time-weighted TLV; use a NIOSH approved cartridge respirator or gas mask.		
Ventilation	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.		
Protective Gloves	The use of impermeable gloves is advised to prevent skin irritation in sensitive individuals.	Eye Protection	Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation, or injury.
Other Protective Equipment	Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas is recommended.		

**Section V - - REACTIVITY DATA**

Stability	Unstable		Conditions to Avoid:
	Stable	X	
Incompatibility (Materials to Avoid)	This product is incompatible with strong oxidizing agents strong acids or bases selected amines		
Hazardous Decomposition Products	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.		
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

**Section VI - - SPILL OR LEAK PROCEDURES**

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-9300

Precautions In Case of Release or Spill	Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbant.
Reportable Quantity	Notify Coast Guard National Response Center; Phone No. 800-424-8802, If Spill is Greater Than ___ lbs (Kilograms)
Waste Disposal Method	Dispose of _____ product in accordance with applicable local, county, state and federal regulations.

**Section VII - - STORAGE AND PRECAUTIONS**

Handling and Storing Precautions	Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. (See Section IV.)
Other Precautions	Personnel should avoid inhalation of vapors. (See sections I, II, III, V, VI) Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected areas with water. (See sections II, IV, VI)

**Section VIII - - FIRE AND EXPLOSION HAZARD DATA**

DOT Flammability Classification	Not applicable	Flash Point Range: <input type="checkbox"/> Below 20° F, <input type="checkbox"/> 20° F - 100° F <input type="checkbox"/> 100° F - 200° F <input checked="" type="checkbox"/> Over 200° F <input type="checkbox"/> None to boiling
Extinguishing Media	Use foam CO <sub>2</sub> or dry chemical fire fighting apparatus.	
Unusual Fire and Explosion Hazards	Keep work areas free of hot metal surfaces and other sources of ignition.	
Fire Fighting Procedures	The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.	

**Section IX - - PHYSICAL DATA**

Approximate Boiling Range, ° F	465° - 515° F	Vapor Density: <input checked="" type="checkbox"/> Heavier Than Air <input type="checkbox"/> Lighter
Evaporation Rate: <input type="checkbox"/> Faster Than Ether <input checked="" type="checkbox"/> Slower	Percent Volatile: 100%	Solubility in Water: Negligible
Specific Gravity: <input checked="" type="checkbox"/> Lighter Than Water <input type="checkbox"/> Heavier	Weight per Gallon: 6.77	
Appearance and Odor: This product is clear, has little if any color and has a characteristic odor.		

**Section X - - DOCUMENTARY INFORMATION**

Product Code No. 1272	Issue Date 10/20/80	Prepared By Paul Pfeifer
Replaces: UCD No.	Product Code No.	Issued
Reviewed By: <i>J. Juttin</i>	Manager, Loss Prevention	
Reviewed By: <i>Rainer Beck</i>	Director of Occupational Health & Toxicology	
Reviewed By: <i>Charles Brown</i>	Science and Technology Division	

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.

DEPARTMENT OF ENVIRONMENTAL REGULATION

F. J. S.

ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD  
SUITE 232  
ORLANDO, FLORIDA 32803-3767

W.M. Greenwood, P.E.  
Wiley and Wilson  
Post Office 877  
Lynchburg, Virginia 24505



9, 1985

BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

ALEX ALEXANDER  
DISTRICT MANAGER

QSJ-AP-85-0102

Dear Mr. Greenwood:

Volusia County - AP  
News Journal Corporation (Daytona Beach)  
Offset Printing Press Facility  
Permit Application No: AC64-98628

A review of your application to construct the referenced source indicates that it is incomplete. The following is required to complete your application:

1. In Section III-C delete the statement concerning assumed credits. This facility is to be permitted for 4 presses, regardless of whether they are new or replacements and which have a total ink utilization rate of 120 lbs/hr.
2. The total VOC emissions for this facility, based on 80% solvent vapor loss to the atmosphere and 8736 operating hours per year, is 151 tons/year. However, if a 40% production downtime is accurate, the total actual emissions will be 90.6 tons/year. Clarify your calculations to indicate how 144 tons/year was obtained.
3. Natural Gas is used in the dryer as indicated in Section III-E. The emissions due to combustion should also be included in Section III-C and the calculations documented in Section V-2 & 3.
4. Specify the inks/coating/solvents that the source ever intends to use for various kinds of printing jobs. This information can be provided as an addendum to Section III-A of the application form.
5. Specify the maximum capacity of the web offset printing press in terms of pounds of paper processed or other measurable units.
6. Specify the operating temperature of the dryer and the density of the evaporating solvent in lb/gallon.
7. The information in response to our incompleteness letter of February 15, 1985 should state whether the hydrocarbon compounds emitted are photo chemically reactive with the atmosphere (forming ozone in the process).

CONTINUED . . . . .

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W.M. Greenwood, P.E.  
Volusia County - AP  
News Journal Corporation (Daytona Beach)  
OSJ-AP-85-0203  
Page Two

8. Submit more complete data on the ink solvent (Amsco Solv 1272) such as on Material Safety data sheets, Form OSHA-20, etc. This must include physical data (e.g. vapor pressure and boiling point of solvent). Reactivity data and flammability data.

NOTE: The entry in Section III-G of the application form, indicated that no solid wastes are generated at this site. This is inconsistent with the information in your letter of November 28, 1984 to Roger Caldwell of this Department. Please resolve this discrepancy.

pursuant to Section 120.60(2) Florida Statutes, the department may deny a permit application if the applicant, after receiving notice, fails to correct errors, omissions, or supply additional information within a reasonable period of time.

Upon receipt of your response to the above items processing of your application will continue. Please refer to this letter in your response.

If there are any questions, please call Suresh Chandnani at 305/894-7555 or write me at the above address.

Sincerely,



A. T. Sawicki, P.E.  
Air Engineering

cc  
ATS:scm

BEST AVAILABLE COPY

End Work N.J. Photo Contest Winners - Page 1D



The Daytona Beach  
**News-Journal**

P. O. BOX 431 • 904/252-1511 • DAYTONA BEACH, FLORIDA • 32015-0431

April 15, 1985

State of Florida  
 Department of Environmental Regulation  
 3319 Maguire Boulevard - Suite 232  
 Orlando, Florida 32803-3767



Attn: Mr. A.T. Sawicki, P.E.  
 Air Engineering

Re: Volusia County - AP  
 Offset Printing Press Permit  
 Application No. AC64-98628

Dear Mr. Sawicki:

Enclosed in quadruplicate for your consideration is our revised application for permit to construct a new offset printing plant in South Daytona, Florida. We believe this form now includes all of the information required as per your letter of February 15, 1985, addressed to Mr. W.M. Greenwood of Wiley & Wilson. Also enclosed is our check number 084090, dated April 11, 1985, in the amount of \$1,000.00, as noted in your Permit Fee Schedule - effective July 8, 1982.

It is our full intention to observe all applicable laws, ordinances and regulations in the execution of this project. The project will result in full compliance with existing D.E.R. standards in regard to design criteria and to quantities and types of materials to be discharged from the plant.

Please continue processing this application and issue a permit to construct if you find it to be in order.

Sincerely,

*Tippen Davidson*  
 News-Journal Corporation  
 by Tippen Davidson, Vice President

TD/al

encl.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

1000  
APR 1

ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD  
SUITE 232  
ORLANDO, FLORIDA 32803-3767



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

A. ALEXANDER  
DISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Offset Printing Press [] New<sup>1</sup> [] Existing<sup>1</sup>

APPLICATION TYPE: [] Construction [] Operation [] Modification

COMPANY NAME: News Journal Corporation COUNTY: Volusia

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Offset Press

SOURCE LOCATION: Street U. S. Route 1 City South Daytona

UTM: East 501,350 North 1,751,100

Latitude 29 ° 08' 37 "N Longitude 80 ° 57' 43 "W

APPLICANT NAME AND TITLE: Mr. Tippen Davidson

APPLICANT ADDRESS: 901 Sixth Street, Daytona Beach, Florida 32017

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

Daytona Beach

I am the undersigned owner or authorized representative\* of News-Journal Corporation

I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: Tippen Davidson

Tippen Davidson, Vice President

Name and Title (Please Type)

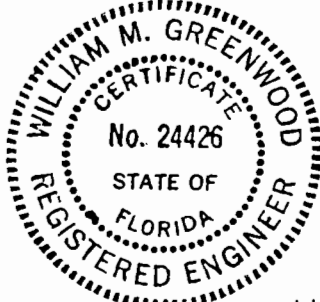
Date: 4-15-85 Telephone No. (904)252-1511

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

<sup>1</sup> See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed William M. Greenwood

W. M. Greenwood, P.E.

Name (Please Type)

Wiley & Wilson

Company Name (Please Type)

P. O. Box 877, Lynchburg, Virginia 24505

Mailing Address (Please Type)

Florida Registration No. 24426 Date: April 9, 1985 Telephone No. (804)528-1901

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

(See attached Sheet)

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction January 1, 1985 Completion of Construction September 1, 1985

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

None

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

None



E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 52; if power plant, hrs/yr -; if seasonal, describe: Normal operation of the equipment is three shifts, 5 days per week, 52 weeks per year with approximately 40 percent downtime for product changes, rewelbing, cleanup, etc.

F. If this is a new source or major modification, answer the following questions. (Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? No
  - a. If yes, has "offset" been applied? \_\_\_\_\_
  - b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_
  - c. If yes, list non-attainment pollutants. \_\_\_\_\_
2. Does best available control technology (BACT) apply to this source? No  
If yes, see Section VI.
3. Does the State "Prevention of Significant Deterioration" (PSD) requirement apply to this source? If yes, see Sections VI and VII. No
4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? ( No )
5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? No
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? No
  - a. If yes, for what pollutants? \_\_\_\_\_
  - b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.

**SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)**

Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Ink Solvent	**	36	120	Total (4 presses)
	(See Attached Sheet)			

Chemical family hydrocarbon mixture C<sub>14</sub>-C<sub>15</sub>, Union Oil trade name AMSCO Solvent 1272  
 Process Rate, if applicable: (See Section V, Item 1)

- Total Process Input Rate (lbs/hr): \_\_\_\_\_
- Product Weight (lbs/hr): \_\_\_\_\_

Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission <sup>1</sup>		Allowed <sup>2</sup> Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
toluene stillate	210	144	-	-	288,000	144	
(See Attached Sheet)					<del>*(96,000)</del>	<del>*(48)</del>	
					(See Attached Sheet)		

Section V, Item 2. \* Assumed credit for removing existing source. (No permit on existing plant)  
 Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, (1) - 0.1 pounds per million BTU heat input)  
 Calculated from operating rate and applicable standard.  
 Emission, if source operated without control (See Section V, Item 3).

Control Devices: See Section V, Item 4

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particulate Size Collected (in microns) (If applicable)	Grade of Efficiency (Section V Item 5)
Not Applicable				

Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	0.0105	0.0209	22

Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

1 Analysis:

Percent Sulfur: 0 Percent Ash: 0  
 Density: - lbs/gal Typical Percent Nitrogen: -  
 Capacity: 1,042 BTU/CF BTU/lb - BTU/gal  
 Fuel Contaminants (which may cause air pollution): -

If applicable, indicate the percent of fuel used for space heating.

Fuel Average \_\_\_\_\_ Maximum \_\_\_\_\_

Indicate liquid or solid wastes generated and method of disposal.

None Generated

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 30 ft. above floor slab ft. Stack Diameter: 0.833 ft.  
 Gas Flow Rate: 4,000 ACFM 1,975 DSCFM Gas Exit Temperature: 600 °F.  
 Water Vapor Content: 1.2 % Velocity: 100 FPS  
 (Typical of each press)

**SECTION IV: INCINERATOR INFORMATION**

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

(Section II-A)

Project involves construction of a new off-set printing plant, to replace an existing smaller one. New plant will consist of a roll-storage area, bindery area, and pressroom. Four presses in the pressroom use a heat-set printing ink, the ink solvent is vaporized in the press dryers and exhausted to the atmosphere. There will be no pollution control devices. It is our opinion that the project will result in compliance with Florida State Environmental Regulations.

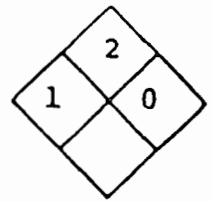
(Section III-C)

Ink utilization and emission calculations were based on 1983 figures for ink usage. Since 1983 figures were higher than 1984, the higher was used.



SECTION III-A)

# BEST AVAILABLE COPY MATERIAL HEALTH AND SAFETY BULLETIN



Union Chemicals Division  
Petrochemical Group

UCD No.: 802

Product Code No.: 1272

UN No. -

MANUFACTURER'S NAME  Union Chemicals Division, Union Oil Company of California	
STREET ADDRESS  1345 North Meacham Road	
CITY, STATE, AND ZIP CODE  Schaumburg, Illinois 60196	Business Phone: (312) 885-5450
EMERGENCY TELEPHONE NO.  Transportation Emergencies call CHEMTREC (800) 424-9300 Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121	

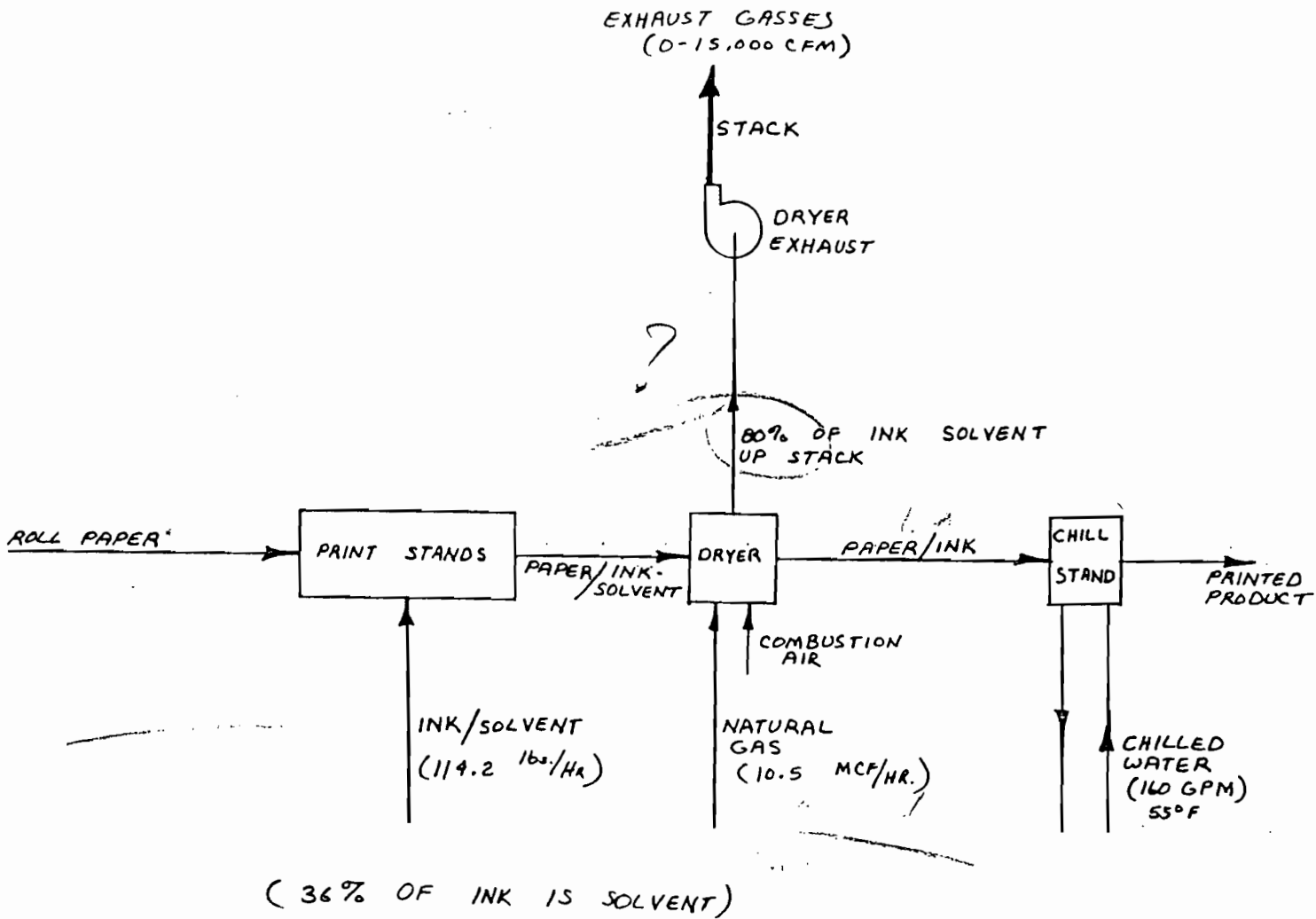
PRODUCT: Ink Oil 10-500 COMMON NAME: AMSCO Solv 1272 GENERIC NAME: Volatile Solvent CHEMICAL NAME: Not Applicable CHEMICAL FAMILY: Hydrocarbon Mixture DOT PROPER SHIPPING NAME: Not Applicable	WARNING STATEMENT:  Can Catch Fire. DO NOT induce vomiting if swallowed. For industrial use only.
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### Section I - - INGREDIENTS

	TLV*		TLV*
C <sub>14</sub> -C <sub>15</sub> Paraffins, Cyclo-paraffins & Aromatics	NE*		

\*Threshold Limit Value    A. OSHA     B. ACGIH     C. See Section III     D. Other

\*Not Established



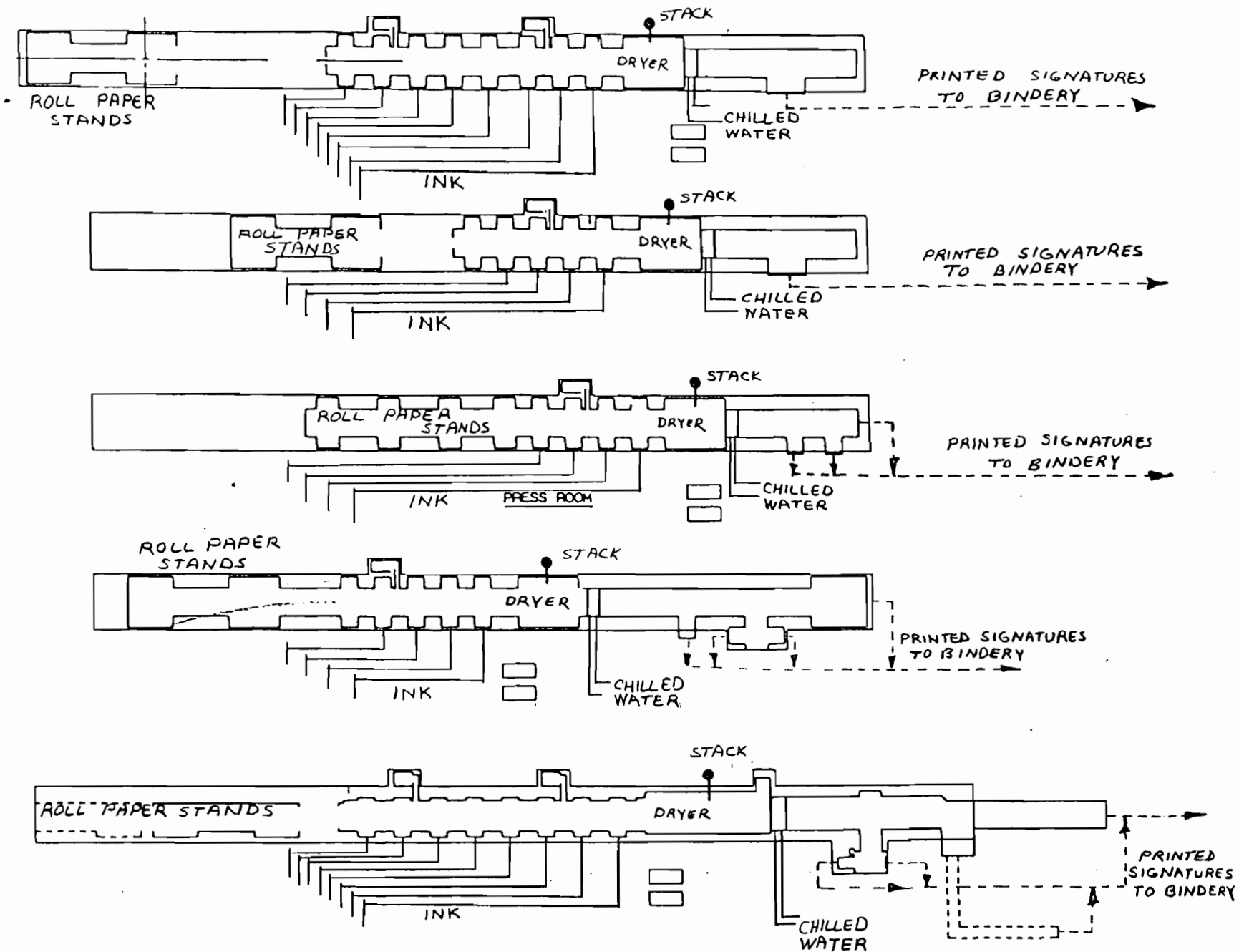
Project News-Journal

Date \_\_\_\_\_

Sheet No. \_\_\_\_\_

Comm. No. \_\_\_\_\_

By A. P. Smith



By L. P. Smith

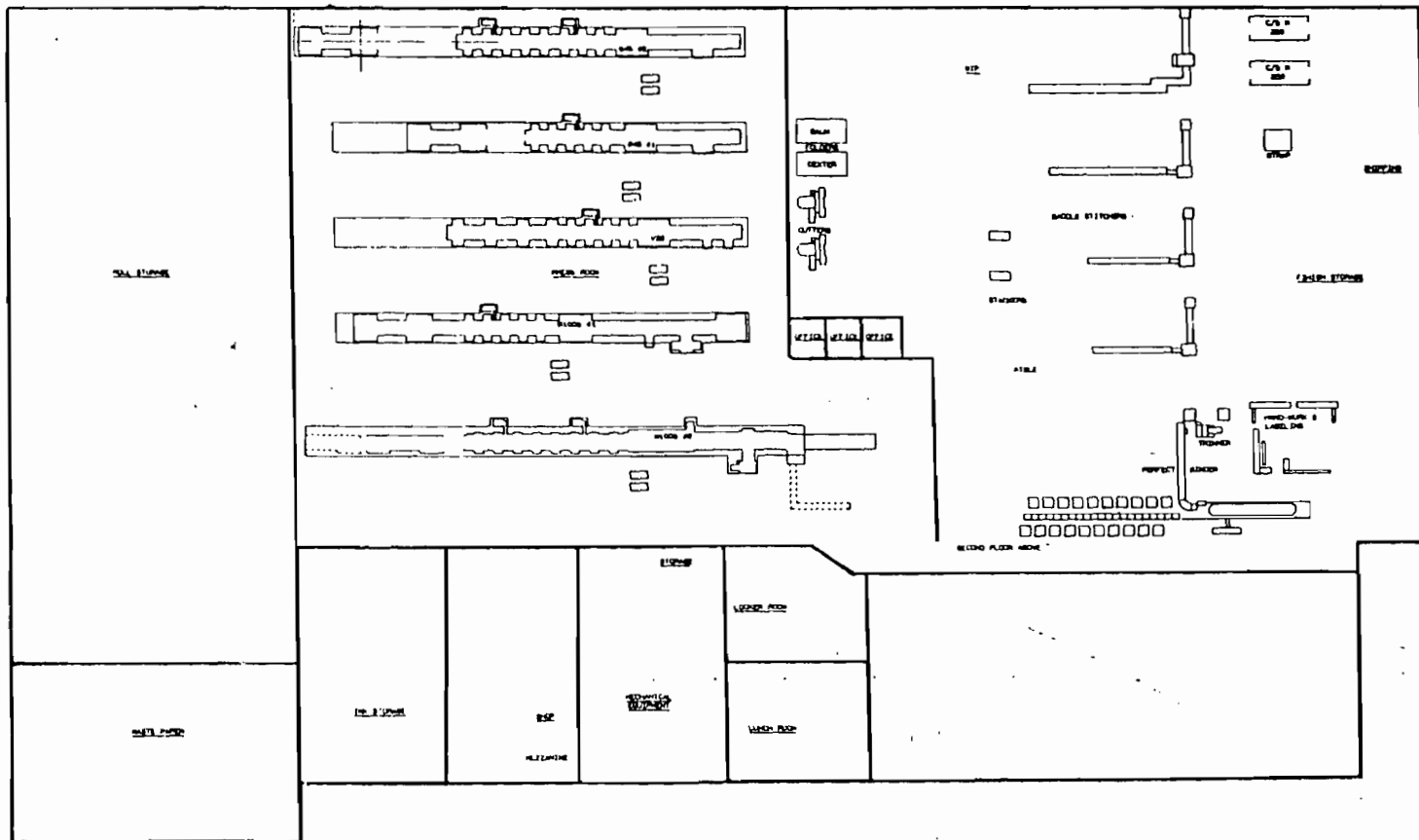
Project News - Journals

Date

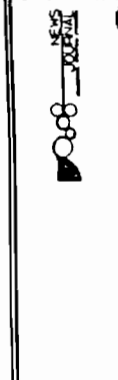
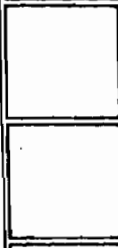
Comm. No.

Sheet No.





A PROFESSIONAL ENGINEERING FIRM  
**Wiley & Wilson**  
 1000 W. 10th St., Suite 100  
 Lincoln, NE 68502

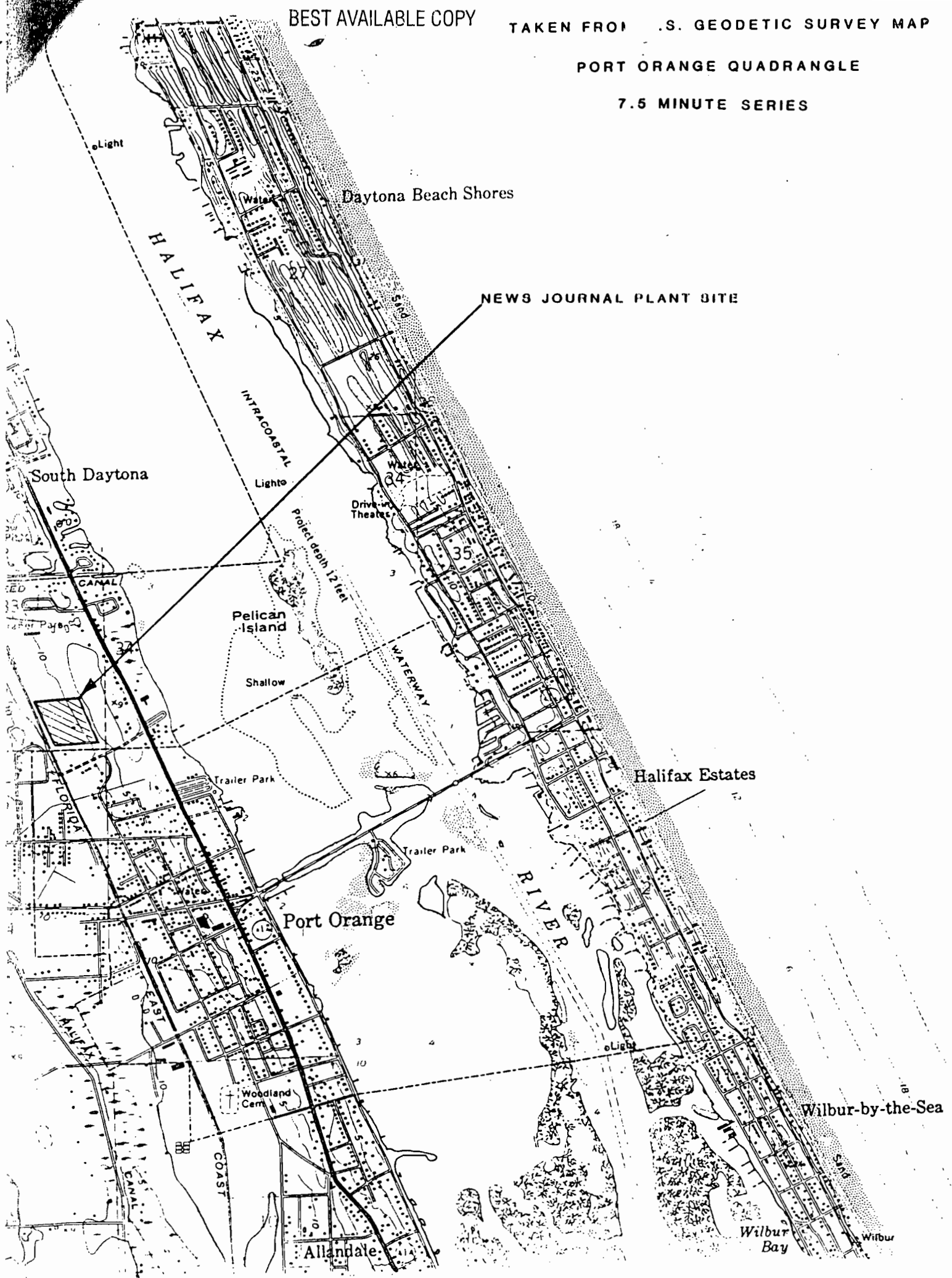


PROCESS LAYOUT

1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED.  
 2. ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE SPECIFIED.  
 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50





*file*

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT

3319 MAGUIRE BOULEVARD  
SUITE 232  
ORLANDO, FLORIDA 32803-3767



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

A. ALEXANDER  
DISTRICT MANAGER

December 11, 1984

Ken Evans, P.E.  
Wiley and Wilson  
Post Office Box 877  
Lynchburg, Virginia 24505-0877

OSJ-AP-84-0435

Dear Mr. Evans:

Volusia County - AP  
News-Journal Corporation  
Five Web Offset Printing Presses

We have reviewed your November 28, 1984 letter and have determined that permitting is required due to the significant quantity of VOC emissions to be discharged by the proposed facility. Pursuant to Rule 403.087(1), Florida Statutes, Permits; General Issuance, and Rule 17-2.210, Florida Administrative Code, Permits Required, the owner or operator of any source which emits or can reasonably be expected to emit any air pollutant shall obtain a permit from the department prior to beginning construction or operation of the source unless exempt pursuant to department rule and statute.

Completed applications to construct air pollution sources (copy enclosed) [refer to Rule 17-4.05, F.A.C.] must be submitted to the above address, and permits must be obtained from this department prior to construction.

Please contact myself or Mr. Roger Caldwell at the above address or telephone 305/894-7555 if you have any questions.

Sincerely,

*A. T. Sawicki*

A. T. Sawicki, P.E.  
Air Engineering

CME

ATS:rce  
Enclosure

*Please draft copy of this letter  
7/15/84*

*Response required*

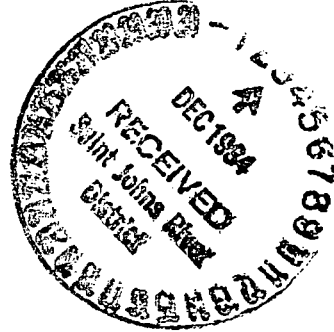
**BEST AVAILABLE COPY**

**Wiley & Wilson**  
Architects Engineers Planners

November 28, 1984

2310 Langhorne Road  
P.O. Box 877  
Lynchburg, Virginia 24505-0877  
(804) 528-1901

Mr. Roger Caldwell  
State of Florida  
Department of Environmental Regulation  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32802



Re: Commercial Printing Plant  
News-Journal Corporation  
Daytona Beach, Florida  
W&W Comm. No. 84044.02

Dear Mr. Caldwell:

As we discussed by telephone several weeks ago, our client, News-Journal Corporation, plans to build a new commercial printing plant in South Daytona, Florida for the purpose of printing catalogs, magazines, newspaper inserts, and other items suitable for processing on web offset presses. The new facility will include a roll paper storage area, indoor ink storage area, pressroom, bindery, shipping area, graphics area for offset plate making, administrative and ancillary equipment areas. Present plans are to operate 24 hours per day, seven days per week.

This plant will be sited in a proposed business park of approximately 40 acres bounded on the south by the corporate limits of South Daytona, on the west by the Florida East Coast Railway, on the east by Ridgewood Avenue (U.S. 1) and on the north by the Rinker Materials Concrete Products plant. Vehicle access will be from U.S. 1. Shipping and receiving will be by both truck and rail.

Initially the plant will have five web offset presses, one of which will use newsprint ink and will therefore generate no discharge to the atmosphere other than warm, moist air. The other four presses will use heat-set ink. The vehicle used in this ink is a highly fractionated hydrocarbon of very low volatility. The boiling point of this vehicle is above 470 degrees Fahrenheit. Since the press dryers operate at higher temperatures, the vehicle will be discharged to the atmosphere. We expect this discharge to be less than 95 tons per year. Since two of these presses are now operating at an existing plant in Daytona Beach and will be relocated, the net increase in emissions will be approximately half the total. All of this is based upon our estimate that 600,000 pounds of ink will be used annually, and that the vehicle content will vary from 28% to 33% by weight as stated by the ink manufacturers.

Mr. Roger Caldwell  
State of Florida  
November 28, 1984  
Page - 2 -

✓ No volatile organic compounds will be used for cleanup operations. Normal commercial cleaning agents will be used which can be disposed of off-site by normal waste disposal services. Some waste ink will be collected in drums on the property and disposed of off-site through a contracted hazardous waste disposal service.

✓ The primary solid waste generated is paper. This is collected, baled and shipped to a recycling location. Some domestic type solid waste is generated by personnel and will be handled by normal garbage and trash pickup. Normal domestic liquid wastes, as generated by personnel, will be discharged to the municipal sewerage system. No liquid process wastes will be discharged.

Please review this information and advise us if permits for this facility will be required by Florida Department of Environmental Regulation. We will be happy to provide any additional information you may desire.

Very truly yours,

WILEY & WILSON



Kent Evans, P.E.

KE:jg

cc: John Gallant  
Bob MacLaughlan

Wiley &amp; Wilson Architects, Engineers, Planners

## DESIGN CALCULATIONS

Future Ink Usage New Plant

$$1) \frac{\text{Total Yearly lbs.}}{\text{Avail. oper. Hrs.}} = \text{Avg. \# / Hr. total}$$

$$2) \frac{\text{Avg. \# / Hr. total}}{26} = \text{Avg. \# / Hr. / unit}$$

$$3) \frac{\text{Total \# / year}}{\text{Avail. Hrs. / year} \times 0.65} = \text{Max. \# / Hr. total}$$

$$4) \frac{\text{Max. \# / Hr. total}}{26} = \text{Max. \# / Hr. / unit}$$

From Ink manufacturer 36% of Ink is solvent  
80% of solvent goes up stack.

Project News-Journal

Comm. No. \_\_\_\_\_

By L.P.S.

Date \_\_\_\_\_

Sheet No. 2 of 3