

PERMIT APPLICATION FEE/ASSIGNMENT SHEET

APPLICATION TYPE: AC 1F FILE PROCESSING NO: AC60-258579
COMPANY: CITY OF WILDWOOD COUNTY: 60 SUMTER
(Code/name)
DESCRIPTION/COMMENTS: AIR CURTAIN INCINERATOR
(amend/extend/transfer/etc.) and permit no., when applicable
DATE REC'D (Day 1): 9/29/94
CHECK ATTACHED: ☒ N Not Required ()
FEE SUBMITTED: ✓ correct () incorrect - Should Be \$ 100.
see policy memo under 17-4 in policy book Submitted \$ 100.
Needed/Refund \$ _____
FEE CHECKED BY: JK DATE: 10/3/94
APPLICATION ASSIGNED TO: Mr. Donald DATE: 10-4-94

PERMIT APPLICATION PROCESSING STATUS

	<u>Completed</u>	<u>Initials</u>
Date PATS Updated With Processor Name:	<u>10-5-94</u>	<u>JK</u>
Permit Engineer Submit Finished		
Permit Package & Recommendations to	<u>12-1-94</u>	<u>JK</u>
District Air Engineer:	<u>10-20-94 ILI</u>	<u>JK</u>
Permit Package to District Air	<u>12/2/94 JK</u>	<u>JK</u>
Administrator:	<u>10/26/94 ILI</u>	<u>JK</u>
	<u>10/26/94 ILI</u>	<u>JK</u>
Permit Package to Director of	<u>12/2/94</u>	<u>JK</u>
District Management:		
Permit Package Mailed Out:	<u>DEC 08 1994</u>	<u>JK</u>

DATA FOLLOW UP

Issue Date Updated on PATS:	<u>DEC 08 1994</u>	<u>JK</u>
Updated on DEC:	<u>DEC 08 1994</u>	<u>JK</u>

H&B
CONSULTING ENGINEERS, INC.

September 28, 1994

Mr. Jerry Kissel
Florida Dept./Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RECEIVED
SEP 29 1994

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

Re: City of Wildwood
Sumter County
Air Curtain Combustor

Dear Mr. Kissel:

The City of Wildwood is proposing to construct an air curtain combustor to eliminate yard trash, leaves, limbs, stumps, etc. from their solid waste stream. This will save the City a considerable amount of money at the landfill.

Therefore we have attached two (2) copies of the following materials for your review and approval:

- 1) FDEP "Application to Operate/Construct Air Pollution Source" - signed & sealed
- 2) Attachment A - signed & sealed
- 3) Specifications for McPherson Systems, Inc., model M20E, Air Curtain Combustor
- 4) Production test results for a 20 ft. long air curtain combustor
- 5) Construction Plans - signed & sealed
- 6) County Aerials

In addition there is a letter from Mr. James Stevens, City Manager, requesting a permit fee reduction as per S.B. 1780 and a check for \$100.00 for the permit fee.

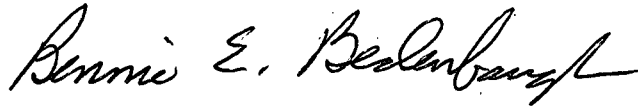
Before the City can construct this air curtain, additional permits for the site work from SWFWMD and the FDOT must be obtained.

September 28, 1994
Mr. Jerry Kissel
Page 2

We hope that we have provided enough information so that you may grant the City of Wildwood a construction permit for their project.

If there are any questions, please advise.

Very truly yours,

A handwritten signature in cursive script, reading "Bennie E. Bedenbaugh". The signature is written in dark ink and is positioned above the printed name and title.

Bennie E. Bedenbaugh, P.E.
H&B Consulting Engineers, Inc.

Enclosure
632-CURT

xc Mr. James Stevens
 Mr. Gene Kornegay

*City of
Wildwood,
Florida*

RECEIVED
SEP 29 1994

Depart. _____ Protection
SOUTHWEST DISTRICT
BY _____

100 N. Main Street

Wildwood, Florida 34785

September 20, 1994

Jerry Kissell, Assistant Engineer I
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, Fl. 33619-8318

RE: Reduction In Fees By FDEP/Senate Bill 1780
For Application To Operate Air Curtain Combustor

Dear Mr. Kissell:

The City of Wildwood is requesting a reduction in the permitting fee for the above subject (which is \$200.00), based on the following reasons:

- 1) The City of Wildwood is a Florida Municipality with a population less than 5,000.
- 2) The City certifies that the cost of permit processing fees from FDEP is a fiscal hardship due to the fact that the City of Wildwood's per capita taxable value is less than the statewide average.

We are enclosing a check for \$100.00 to cover this permit fee. Please let us know if you have any questions regarding this matter.

Also enclosed you will find four (4) copies of the FDEP Construction Permit for the Air Curtain Combustor, and one (1) copy of the proposed construction plans.

Sincerely,



James R. Stevens, City Manager
CITY OF WILDWOOD FLORIDA

JRS:dtk

Enclosures

cc: H&B Consulting Engineers
Lyndon Bonner, City Planner

Administration - 748-1223

City Clerk - 748-0802

Fire Department - 748-1851

Police Department - 748-2671

Public Works - 748-4239

Utility Billing/Service - 748-1041

Community Development - 748-6843

Water/Wastewater Plant - 748-6324

MEMORANDUM

TO: Jerry Kissel 

FROM: Jim McDonald 

DATE: October 20, 1994

SUBJECT: Recommend the Intent to Issue for the City of Wildwood
be signed. (AC60-258579)

From the information below, I recommend the Intent to Issue for the City of Wildwood be signed. PATS Day 90 is December 27, 1994.

On September 29, 1994, the Department received from the City of Wildwood an air pollution application to construct an air curtain incinerator located on the south side of the City's wastewater treatment plant which is southwest of Wildwood and north of S.R. 44. The incinerator is limited to burn a maximum of 6.65 tons/hr. Compliance with the specific conditions of the permit is demonstrated by recordkeeping, work practice limitations, and visible emission testing.

CERTIFICATION

Source Name CITY OF WILDWOOD

Application No. 258579

I HEREBY CERTIFY that the engineering features described in the above referenced application, with the exception of all references to Rule 17-712, F.A.C., provide reasonable assurance of compliance with applicable air provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule 17-2. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).


(Signed)

10/26/94
(Date)

(Seal)

TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION
FOR

City of Wildwood

Sumter County

Construction Permit Application Number

AC42-258579

Florida Department of Environmental Protection

Southwest District

Tampa, FL

October 20, 1994

Prepared by: Jim McDonald

I. Project Description:

A. Applicant:

City of Wildwood
100 N. Main Street
Wildwood, FL 34785

Mr. James Stevens, City Manager

B. Engineer:

Mr. Bennie E. Bedenbaugh, P.E.
H&B Consulting Engineers, Inc.
P.O. Box 520
Bushnell, FL 33513

C. Project and Location:

The applicant proposes to construct an air curtain incinerator near the south side of the City of Wildwood's wastewater treatment plant, north of S.R. 44, and on the west side of CSX's railroad tracks, southwest of the City of Wildwood..

D. Process and Controls:

The applicant is requesting permission for the construction of an air curtain incinerator with a 9' wide X 10' deep X 20' long refractory burning pit. The incinerator has a maximum charging rate of 6.65 tons/hour of wood waste (trees, logs, large brush, stumps relatively free of soil, unbagged leaves and yard trash, tree surgeon debris, and clean dry lumber such as pallets). Emissions are controlled by forced air at a very high static pressure over and around the pit by an electric fan. The air flow (air curtain) is delivered to the burning pit by a 20' air manifold. Fires will be started only with virgin oil, natural gas, or liquified petroleum gas.

E. Application Information:

Received on: 09/29/94
Information Requested: N/A
Additional Information Submitted: N/A
Application Complete: 09/29/94

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes and Chapters 62-200 through 62-297, Florida Administrative Code (F.A.C.).

The location of this project is outside the Hillsborough County and Pinellas County ozone nonattainment area.

This project is not subject to the requirements of Rule 62-212.400, Prevention of Significant Deterioration, F.A.C. or Rule 62-212.500, New Source Review for Nonattainment Areas, F.A.C., since the source is minor by state definition.

This project is subject to the requirements of Rule 62-212.300, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, F.A.C., since the project is not exempt from general permitting requirements.

This project is subject to the requirements of Rule 62-296.400, Specific Emission Limiting and Performance Standards, F.A.C., since there is an applicable source category (Rule 62-296.401(6), F.A.C.).

This project is subject to the requirements of Rule 62-296.310(3), General Particulate Emission Limiting Standards, F.A.C., since the project is a source of particulate matter emissions.

This project is not subject to the requirements of Rule 62-296.320, General Pollutant Emission Limiting Standards, F.A.C., since it is not a source of volatile organic compounds (VOC) and objectionable odors are regulated by Rule 62-296.401, F.A.C.

This project is not subject to the requirements of Rule 62-296.700, Reasonably Available Control Technology, F.A.C., since there is not an applicable source category.

This project is not subject to the requirements of Rule 62-296.800, Standards of Performance for New Stationary Sources, F.A.C., since there is no source category.

This project is not subject to the requirements of Rule 62-296.810, National Emission Standard for Hazardous Air Pollutants, F.A.C., since there is no source category.

III. Summary of Emissions

Visible Emissions: Outside the start-up periods, no visible emissions (5% opacity) shall be allowed except that visible emissions up to 20% opacity will be allowed for up to three minutes in any one hour, pursuant to Rule 62-296.401(6)(a), F.A.C.

During the start-up periods, which shall not exceed the first thirty (30) minutes of operation, an opacity of up to 35 percent, averaged over a six minute period, shall be allowed, pursuant to Rule 62-296.401(6)(b), F.A.C.

Testing shall be in accordance with DEP Method 9.

There shall be no objectionable odors.

<u>Pollutant</u>	<u>Permitted Emissions</u>	
	lbs./hr.	TPY
Particulates	13.3	7.26

IV. Conclusions

The emission limits proposed by the applicant will meet all of the requirements of Chapter 62-296, F.A.C.

The general and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-200 through 62-297, F.A.C.

V. Proposed Agency Action

Pursuant to Section 403.087, Florida Statutes and Section 62-4.07, Florida Administrative Code, the Department hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

MEMORANDUM

TO: Jerry Kissel *[initials]*

FROM: Jim McDonald *[initials]*

DATE: December 1, 1994

SUBJECT: Recommend permit AC60-258579 for the City of Wildwood
be issued.

I recommend permit AC60-258579 for the City of Wildwood be
issued. PATS Day 90 is January 25, 1995.

There have been no changes to the permit as it was originally
proposed with the Intent to Issue.

The public notice was properly published on November 10, 1994 as
required and as of this date no comments have been received.

*20 TPE
and
116*

APPLICATION TRACKING SYSTEM

DEC 08 1994

10/04/94

APPL NO:258579

APPL RECVD:09/29/94 TYPE CODE:AC SUBCODE:1F

LAST UPDATE:10/04/94

DER OFFICE RECVD:TPA DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:___/___/___

DER PROCESSOR:AIR *in bld*

APPL STATUS:AC DATE:09/29/94 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:40 COUNTY:60

(Y/N) N DGC HEARING REQUESTED

LAT/LONG:28.51.01/82.02.56

(Y/N) *Y* PUBLIC NOTICE REQD?

BASIN-SEGMENT:___

(Y/N) N GOV BODY LOCAL APPROVAL REQD?

COE #:_____

(Y/N) Y LETTER OF INTENT REQD? ___ (I/ISSUE D/DENY)

ALT#:_____

PROJECT SOURCE NAME:AIR CURTAIN INCINERATOR

STREET:SR 44

CITY:WILDWOOD

STATE:FL ZIP:_____

PHONE:_____

APPLICATION NAME:WILDWOOD, CITY OF

STREET:100 N. MAIN ST

CITY:WILDWOOD

STATE:FL ZIP:34785

PHONE:904-748-1223

AGENT NAME:BEDENBAUGH, BENNIE

STREET:PO BOX 520

CITY:BUSHNELL

STATE:FL ZIP:33513

PHONE:904-793-2113

FEE #1 DATE PAID:09/29/94 AMOUNT PAID:00100 RECEIPT NUMBER:00237858

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	- - -	11/02/94
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT	- - -	___/___/___
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP.	- -	___/___/___
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
F DATE LAST 45 DAY LETTER WAS SENT	- - -	___/___/___
G DATE FIELD REPORT WAS REQ--REC	- - -	___/___/___
H DATE DNR REVIEW WAS COMPLETED	- - -	___/___/___
I DATE APPLICATION WAS COMPLETE	- - -	09/29/94
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS	- -	___/___/___
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT	- - -	11/02/94--11/04/94
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT	- - -	11/02/94
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	- -	11/14/94
N WAIVER DATE BEGIN--END (DAY 90)	- - -	___/___/___

COMMENTS:

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

237858

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from

City of Wildwood

Date

9-29-94

Address

100 N. Main St., Wildwood

Dollars \$

100.00

Applicant Name & Address

Same

Source of Revenue

Air curtain Incinerator

Revenue Code

2222

Application Number

AC 60-258579

By

Betty Carver

*ch#
6656*



CONSULTING ENGINEERS, INC.

LETTER OF TRANSMITTAL

RECEIVED
JAN 17 1996

TO: Mr. James McDonald
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Date: January 16, 1996

Department of Environmental Protection
BY SOUTHWEST DISTRICT

Job No: 632-CURT

Re: City of Wildwood
Air Curtain Combustor
FDEP Construction No. AC60-258579

ATTENTION: Mr. James McDonald

WE ARE SENDING YOU Attached Under separate cover via the following items:

 Shop drawings Prints Plans Specifications

 Copy of letter Other

Copies	Date	Description
2		Copies of revised page in Owner's/operator's Manual showing "Douse the wood with 2 gallons of fuel oil or diesel fuel"
2		Copies of Operation Report for December 4, 1995.
2		Letter from H&B Consulting Engineers, Inc. explaining difference between 6.64 tons/hrs. permitted charging rate and 7.4 tons/hr. actual charging rate for visible emissions testing.

THESE ARE TRANSMITTED as checked below:

 For approval For your use X As requested Returned for corrections
 For review and comment Other

REMARKS: We hope that we have provided enough information that you would grant the City of Wildwood an operating permit for their Air Curtain Combustor.

COPY TO: Mr. James Stevens,
Mr. Gene Kornegay

SIGNED: Bennie E. Bedenbaugh, P.E.



CONSULTING ENGINEERS, INC.

January 12, 1996

Mr. James McDonald
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Re: City of Wildwood
Air Curtain Combustor
FDEP Construction No. AC60-258579

Dear Mr. McDonald:

Please be advised that the City of Wildwood is aware of the maximum charging rate for their air curtain combustor is 6.65 tons/hour. However, during the initial visible emissions testing, the City's newly trained personnel forgot that the testing lasts for 1.5 hours. Therefore they had to load an additional three loads into the air curtain to keep it properly operating for the full 1.5 hours of testing. This is the reason that the charging rate works out to 7.4 tons/hour.

If there are any questions, please advise.

Very truly yours

A handwritten signature in black ink, reading 'Bennie E. Bedenbaugh'. The signature is written in a cursive, flowing style.

Bennie E. Bedenbaugh, P.E.

xc Mr. James Stevens
Mr. Gene Kornegay

632-CURT (rate.012)

CITY OF WILDWOOD AIR CURTAIN INCINERATOR DAILY / WEEKLY OPERATIONS REPORT

A	B	C	D			E	F	G	H	I
DATE	TOTAL CHARGES (# LOADS)	TOTAL MATERIALS (TONS)	START UP TIME	STOP TIME	MONTHLY TOTAL RUN TIME	MONTHLY \ YEARLY CUMULATIVE	AVG. HOURLY CHARGE RATE (TONS)	MAINTENANCE	COMMENTS	OPERATOR SIGNATURE

12/4/95	26	11.0 11.0	10:34	12:03	1.5	1.5	7.4	None	None	<i>[Signature]</i>
No Further Activity - Visible Emissions Testing Only										

TOTAL	26	11.0			1.5	1.5				
						1.5				

Air Curtain Destructor Operating Instructions

Step 1 - Ignition Procedures

Load the pit 1/3 full with a homogeneous mixture of trees, logs, and large brush. Douse the wood with 2 GALLONS of fuel oil, putting the majority of the oil on the wood at the front center side of the pit. Ignite the wood at the same point. Allow sufficient time for the fire to take hold before introducing any air from the Air Curtain Destructor. As the fire grows in intensity, turn the underfire blower on until ignition is uniform across pit (usually 10 to 15 minutes). Turn on Air Curtain Destructor fan using following instructions after fire has ignited across pit.

CAUTION: Do NOT use highly volatile solvents such as mineral spirits, gasoline, etc. for ignition.

NOTE: Only wood wastes consisting of trees, logs, large brush, stumps relatively free of soil, and lumber may be burned.

Start-Up Procedure

1. Disengage the clutch lever as shown in FIGURE 1 (next page).
2. Push in tattletale switch (FIGURE 1) and hold.
3. Using the ignition switch, start the engine
4. Release tattletale switch after the oil pressure level has risen to proper operating level.
5. Engage clutch as shown in FIGURE 1.
6. Using the throttle adjustment knob (FIGURE 1), increase engine speed to 2000 RPM.

Shut-Down Procedure

1. Disengage clutch lever as shown in FIGURE 1.
2. Reduce engine speed to 800 RPM.
3. Maintain 800 RPM for several minutes to allow engine to cool.
4. Switch ignition key to OFF position.