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CITY OF WILDWOOD
AIR CURTAIN INCINERATOR

A/O PERMIT RENEWAL
APPLICATION

City of Wildwood, Florida

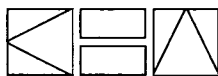
Prepared for:

City of Wildwood

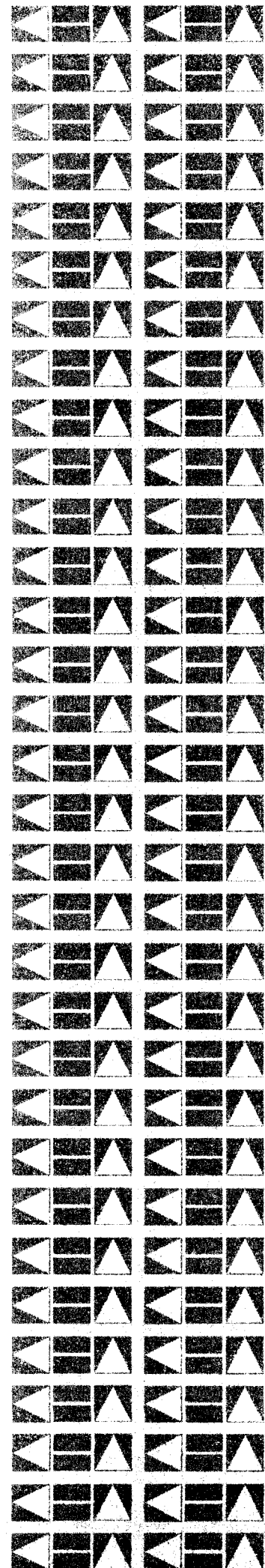
Prepared by:

Kimley-Horn and Associates, Inc.

142173000
August 2010
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and Associates, Inc.



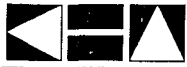


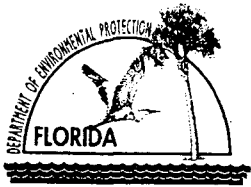
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APPLICATION INFORMATION FORM 1

DOCUMENT SECTIONS:

- ◆ A: Area Map Showing Facility Location
- ◆ B: Facility Plot Plan
- ◆ C: Precautions to Prevent Emissions of Unconfined Particulate Matter

Dept. of Environmental
Protection
AUG 27 2010
Southwest District



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR NON-TITLE V AIR PERMIT RENEWAL

See Instructions for Form No. 62-210.900(4)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: City of Wildwood	
2. Site Name: City of Wildwood, Air Curtain Incinerator	
3. Facility Identification Number: 1190016	4. Facility Status Code: A

Application Contact

1. Name and Title of Application Contact: Gene Kornegay, Public Works Director	
2. Application Contact Mailing Address: Organization/Firm: City of Wildwood Street Address: 100 N. Main Street City: Wildwood State: Florida Zip Code: 34785	
3. Application Contact Telephone Numbers: Telephone: (352) 330-1343 Fax: (352) 330-1353	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	

Dept. of Environmental
Protection
AUG 27 2010
Southwest District

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:

Gene Kornegay, Public Works Director

2. Owner/Authorized Representative Mailing Address:

Organization/Firm: **City of Wildwood**

Street Address: **100 N. Main Street**

City: **Wildwood**

State: **Florida**

Zip Code: **34785**

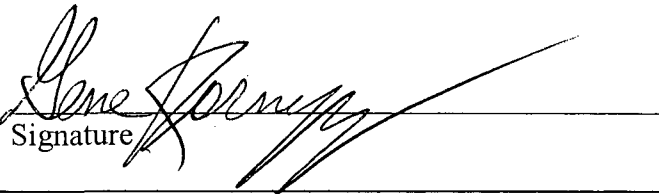
3. Owner/Authorized Representative Telephone Numbers:

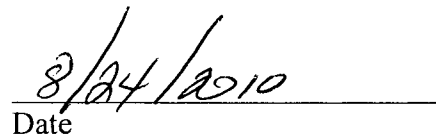
Telephone: **(352) 330-1343**

Fax: **(352) 330-1353**

4. Owner/Authorized Representative Statement:

I, the undersigned, am the owner or authorized representative of the facility addressed in this Application for Air Permit. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.*


Signature


Date

* Attach letter of authorization if not currently on file.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Air Curtain Incinerator, 9' x 10' x 20'	AO2B	\$100.00

Application Processing Fee

Check one: ☒ Attached - Amount: \$100.00 ☐ Not Applicable

Application Comment

**Application is for the renewal of permit number 1190016-002-AO.
The permit was renewed previously in 2005, submitted on October 18th of that year.**

II. FACILITY INFORMATION

Facility Contact

1. Name and Title of Facility Contact:	Gene Kornegay, Public Works Director		
2. Facility Contact Mailing Address:			
Organization/Firm:	City of Wildwood		
Street Address:	100 N. Main Street		
City:	Wildwood	State:	Florida
		Zip Code:	34785
3. Facility Contact Telephone Numbers:			
Telephone:	(352) 330-1343	Fax:	(352) 330-1353

Facility Supplemental Requirements

1. Area Map Showing Facility Location:			
[X] Attached, Document ID: <u> A </u>	[] Not Applicable	[] Waiver Requested	
2. Facility Plot Plan:			
[X] Attached, Document ID: <u> B </u>	[] Not Applicable	[] Waiver Requested	
3. Process Flow Diagram(s):			
[] Attached, Document ID: _____	[X] Not Applicable	[] Waiver Requested	
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:			
[X] Attached, Document ID: <u> C </u>	[] Not Applicable	[] Waiver Requested	

Facility Comment

The physical location of the facility is on the south side of the City of Wildwood's waste water treatment plant, north of S. R. 44, and on the west side of CSX's railroad tracks, southwest of Wildwood, Florida. The mode of operation, relating to the conditions and parameters referred to in the air operation permit being renewed, 1190016-002-AO, remains the same.

III. EMISSIONS UNIT INFORMATION

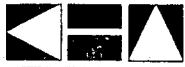
A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

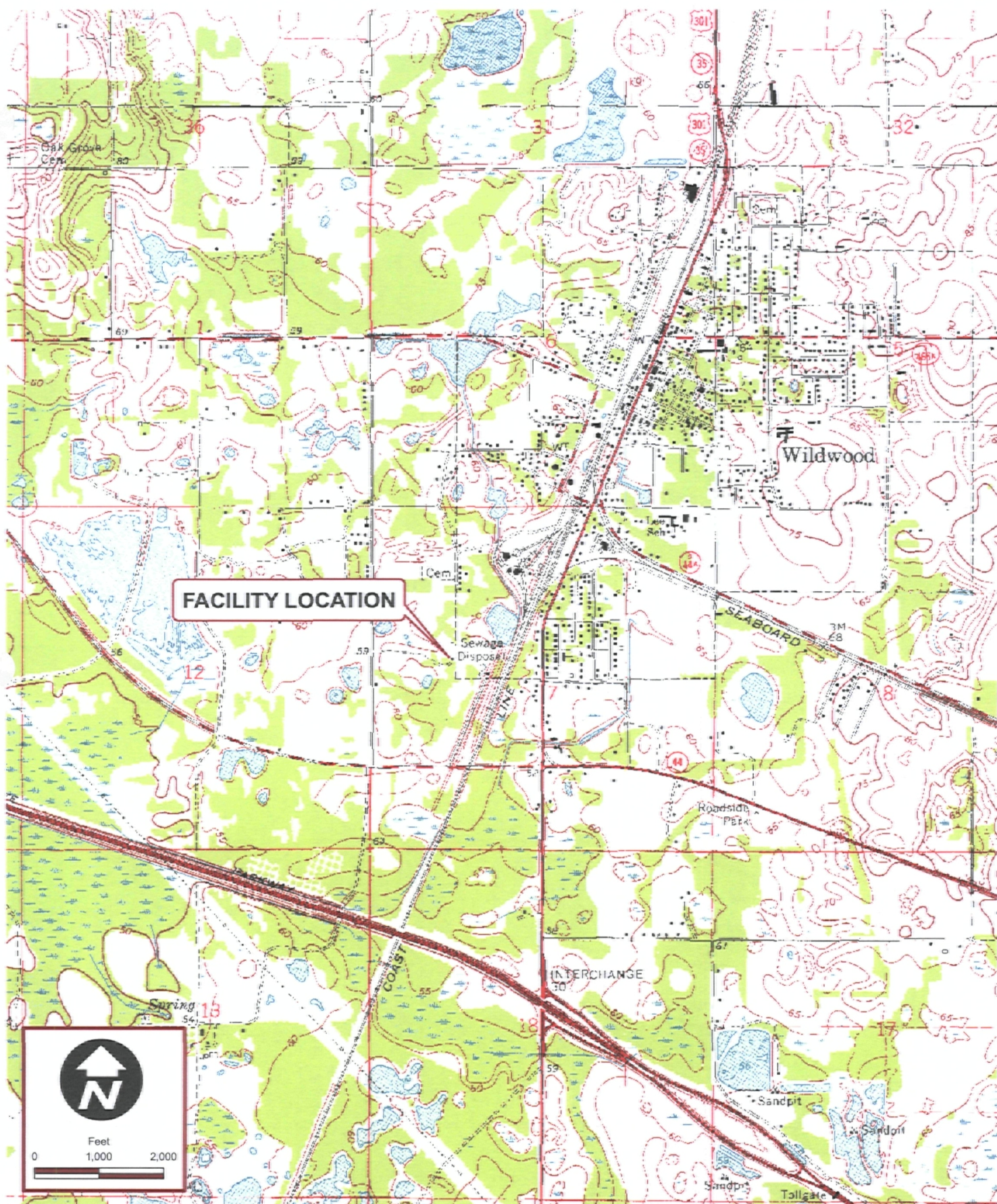
1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): ACI Unit as manufactured by McPherson Systems, Inc.	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: NA
4. Control Equipment Method/Description (limit to 200 characters per device or method): McPherson System's 20' Air Curtain Manifold.	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:	mmBtu/hr	
2. Maximum Incineration Rate:	13,300.0 lb/hr	53.2 tons/day
3. Maximum Process or Throughput Rate:	6.65 tons per hour	
4. Maximum Production Rate:	6.4 tons per hour	
5. Requested Maximum Operating Schedule:		
	8.0 hours/day	average of 2.6 days/week
	52 weeks/year	1,090 hours/year



AREA MAP SHOWING FACILITY LOCATION



**Kimley-Horn
and Associates, Inc.**

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www.kimley-horn.com CA 00000696

USGS QUAD MAP

**AIR CURTAIN INCINERATOR
WILDWOOD, FLORIDA**

Scale: As Noted

Project No.: 142173000

August 2010

Figure 1



FACILITY PLOT PLAN



PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER

Precautions to Prevent Emissions of Unconfined Particulate Matter

Reasonable precautions to prevent and/or control unconfined particulate matter emissions include the following:

- Paving of traveled surfaces and roadways.
- Posting and enforcing a 5 mile per hour speed limit.
- Cleaning traveled surfaces.
- Curtailing operations during extremely windy conditions.
- Application of water.

Dept. of Environment
Protection

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CITY OF WILDWOOD
AIR CURTAIN INCINERATOR
DAILY/WEEKLY OPERATIONS REPORT

FDEP PERMIT NO. 1190016-004-AO

448 3625

117 3331

A	B	C	D	E		117	F 3331	G	H	I	J
DATE	TOTAL CHARGES (# LOADS)	TOTAL MATERIALS (YARDS)	TONS (PER HOUR)	START UP TIME	STOP TIME	MONTHLY TOTAL RUN TIME	MONTHLY/ YEARLY CUMULATIVE	AVG. HOURLY CHARGE RATE (YARDS)	MAINTENANCE	COMMENTS	OPERATOR SIGNATURE
7/5										VAC	
7/6											
7/7											
7/8											
7/9											VAC
TOTAL	448	3625				117	3331				

CITY OF WILDWOOD
 AIR CURTAIN INCINERATOR
 DAILY/WEEKLY OPERATIONS REPORT

FDEP PERMIT NO. 1190016-004-A0

448 3625

A	B	C	D	E		F		G	H	I	J
DATE	TOTAL CHARGES (# LOADS)	TOTAL MATERIALS (YARDS)	TONS (PER HOUR)	START UP TIME	STOP TIME	MONTHLY TOTAL RUN TIME	MONTHLY/ YEARLY CUMULATIVE	AVG. HOURLY CHARGE RATE (YARDS)	MAINTENANCE	COMMENTS	OPERATOR SIGNATURE
7/12							37				
7/13	50	140	5	10:00	2:00	4	20	35			GR
7/14	33	90	4 1/2	10:00	1:00	3	23	30			GR
7/15							24				
7/16							23				
TOTAL	531	3855				124	127 3458				

CITY OF WILDWOOD
AIR CURTAIN INCINERATOR
DAILY/WEEKLY OPERATIONS REPORT

FDEP PERMIT NO. 1190016-004-AO

531 3855

A	B	C	D	E		124	F 3458	G	H	I	J
DATE	TOTAL CHARGES (# LOADS)	TOTAL MATERIALS (YARDS)	TONS (PER HOUR)	START UP TIME	STOP TIME	MONTHLY TOTAL RUN TIME	MONTHLY/ YEARLY CUMULATIVE	AVG. HOURLY CHARGE RATE (YARDS)	MAINTENANCE	COMMENTS	OPERATOR SIGNATURE
7/19							38		CLEANED OUT		
7/20							27				
7/21	40	105	4 1/2	1000	130	3.5	35	30			
7/22							33				
7/23										OFF	
TOTAL	571	3960				127.5	133 3591				

CITY OF WILDWOOD
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DAILY/WEEKLY OPERATIONS REPORT

FDEP PERMIT NO. 1190016-004-AO

571 3960						127.5 3591					
A	B	C	D	E				G	H	I	J
DATE	TOTAL CHARGES (# LOADS)	TOTAL MATERIALS (YARDS)	TONS (PER HOUR)	START UP TIME	STOP TIME	MONTHLY TOTAL RUN TIME	MONTHLY/ YEARLY CUMULATIVE	AVG. HOURLY CHARGE RATE (YARDS)	MAINTENANCE	COMMENTS	OPERATOR SIGNATURE
7/26							20				
7/27							2			CLOSE NOON	
7/28							35				
7/29							—				
7/30										OFF	
TOTAL	571	3960				127.5	57 3648				

CITY OF WILDWOOD
AIR CURTAIN INCINERATOR
DAILY/WEEKLY OPERATIONS REPORT

FDEP PERMIT NO. 1190016-004-AO

448 3625

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7/6											
7/7											
7/8											
7/9										VAC	
TOTAL	448	3625				117	3331				

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FDEP PERMIT NO. 1190016-004-AO

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7/20							27				
7/21	40	105	4 1/2	1000	130	3.5	35	30			
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