



Florida Department of Environmental Protection

Florida's Electronic Tools

Justin B. Green, Director
Florida Department of Environmental Protection
Division of Water Resource Management





Overview

- ESSA (Electronic Self-Service Authorizations) – Simple Online Permitting
- E-Permit Builder – More Complex Permitting
- WaterCom via AirCom Model – Compliance and Enforcement Database



E-Permitting Overview

- E-Permitting's foundation is a web-based site for customers to submit, pay, and track their permit applications for all programs throughout the state
- E-Permitting will also provide an electronic system for the internal tracking, reviewing, developing, and issuing of permits by Department processors
 - The Department currently has an established in-house application called ESSA (Electronic Self-Service Authorizations)
 - ESSA was developed as a single web-based portal for the **submittal of all permit applications** statewide
 - The Department has taken a two-pronged approach to the **electronic processing** of submitted permit applications
 - Create a system to handle the easy, standard output permits (ESSA)
 - Purchase a system to handle the difficult, non-standard output permits (ePermitBuilder)



ESSA

- For less complex permits, ESSA manages the public facing aspects of the permit application submittal process, the review process (where applicable) and the build and issuance activities
- The technology and design of ESSA allows users to navigate through the permitting process for less complex permit actions, such as:
 - General Permits
 - Generic Permits
 - Permit exemptions
 - Permit determinations
 - Permit clearances



ESSA



BUSINESS PORTAL

[Home](#)

Search the Site:

Welcome

to the

Florida Department of Environmental Protection's Business Portal. If you don't find what you're looking for please come back as we're continually adding to the site.

I would like to:

Apply

To build, repair, operate, discharge, ... see more

Pay

For fees, invoices, park reservations, ... see more.

Sign Up

For subscriptions, newsletters, notifications, ... see more.

View

Maps, data, reports, ... see more.

Submit

Applications for grants and rebates, AGP Admin. Correction, leave feedback, ... see more.

Continue

A partially completed business transaction or reprint a receipt for a previous transaction.



ESSA

PORTAL

[Home](#) » [Apply](#) » [Build](#)

Search the Site: 

I would like to apply to build:

[10-2 General Permit for Stormwater System in Uplands \(Self-Certification\)](#)

[Exempt Boat Lift at Existing Single Family Dock \(Self-Certification\)](#)

[Field Permit for Minor Structures and Activities Seaward of the CCCL](#)

[Hazardous Waste Facility](#)

[Individual or Conceptual Approval Environmental Resource Permit](#)

[Notice of Intent to Use a General Environmental Resource Permit](#)

[NPDES Notice of Intent](#)

[Request for Verification of ERP Exemption](#)

[Exempt Single Family Dock \(Self-Certification\)](#)

[Solid Waste Facility](#)

[Solid Waste Facility using a General Permit](#)

[Waste Recycling Facility](#)



ESSA



BUSINESS PORTAL

ESSA
Enterprise Solutions

YOUR SESSION WILL TIME OUT IN 060 MINUTES.

Welcome, [Dan P. Willis](#) [[Sign Out](#)]

Home
Authorization Process
Help About

- Introduction**
- Application Purpose
- Important Notice
- General Information
- Notification Type
- Notification Details Page 1
- Manage Project Site
- Location Selection
- Manage Contacts
- Project Information
- Project Description
- Attachment Checklist
- Document Upload
- Signature
- Payment of Fees

Introduction

You are processing : An Environmental Resource Permit or Verification of Exemption

Which is defined as : Activities involving stormwater management systems, dams, impoundments, reservoirs, appurtenant works, **mitigation banks**, and works (including docks, piers, structures, dredging, and filling located in, on or over wetlands or other surface waters).

Florida Statute or Rule : **Chapter 62-330 F.A.C.**
Part IV of Chapter 373 F.S.

Application Friendly Name : *

This system allows you to start a submission, exit at any time, and return to complete it later. Please enter a "Friendly Name" for your project so your saved information can be recalled. When you return to the Portal, choose "Continue", then "An Incomplete Self Service Authorization" and the name you entered will be displayed along with any other submittals you have in process.

An example would be "My Boat Ramp".

For payment, the Department will accept MasterCard, Visa, or electronic transfer from business or personal bank account.

This electronic application system is for the submittal of permit applications and requests to verify qualification under an exemptions or general permit. It CANNOT be used to submit an online "self-certification" (such as for a single-family dock). If you wish to submit a self-certification, please go to:

http://prodenv.dep.state.fl.us/DepEssa/coreenginestart?Create=new&name=dwrm_sfdamr

And choose the appropriate selection under Environmental Resource Permitting.

[Save and Go to Next Step](#)



ePermitBuilder

- ePermitBuilder - Smarter, simpler way to write consistent, complex permits statewide
- ePermitBuilder - Single public internet website (gateway) for all program areas for the submittal of complex permit applications (via ESSA)
- Will provide the Department permit writer the tool to build and issue the final complex permit output
- Next step in fulfilling the strategy of an E-Permitting solution is planning and purchasing the consolidation of the back-end complex permit build workflow
- Single, powerful solution for constructing permits that require complex decision processes.



ePermitBuilder

- The Department has identified multiple commercial solutions and intends to purchase a solution that is already designed to support our large universe of permit types.
- The new ePermitBuilder solution will be implemented in stages, with the ultimate intention of addressing all complex permit types/subtypes. This equates to an annual permit count of approximately 9,000 (32% of all permits processed annually).
- Expected Benefits:
 - Provides a smarter, simpler way to write consistent complex permits statewide.
 - Shortens the time it takes to issue complex permits – estimated up to 50% time reduction.
 - Provides permittee a better quality permit faster.
 - Provides an extendible solution; can integrate with existing systems and can add/maintain complex permit types.
 - Enables work process improvements and standardization.



What is WaterCom/AirCom

- New compliance assurance database and field inspection tool
- New location for data reports
- New public compliance and enforcement interface
- Replaces multiple existing applications



Why AirCom?

- Previous Databases had multiple issues
 - Old technology
 - Not user friendly
 - Required deletion and reinstallation of old application when updating
 - Hard to maintain – obsolete technology
 - Multiple applications were used to perform various functions
 - Costly to maintain
 - Data not updated between systems
 - Did not collect federally-required data and required extensive manual manipulation of data before uploading
 - Was not used uniformly across state
 - Had to incentive use
 - Led to inconsistent CA processes
 - No workload planning or tracking functionality



Why AirCom?

Old System Screenshot

Florida Department of Environmental Protection - Enterprise Applications

poll Test Cng fac/poll Oper rates Aircom poll Inv Help Return eXit Window ORACLE

Compliance Assurance Tracking System - Emission Unit Pollutant Test

ARMCA055

POINT AIRS ID: 0570039 Status: A Owner: TAMPA ELECTRIC COMPANY (TEC)
Office: SWHI County: HILLSBOROUGH Name: BIG BEND STATION
CA TRPT Activity STR STACK TEST REPORT Due 08/10/2014 Done 08/04/2014 CS IN

EU ID 003 Description Fossil Fuel Fired Steam Generator Unit No. 3

Pollutant NH3 Ammonia Allow Seq 001
Comp Test Fr ANNUALLY Freq Base Dt 09/15/2008

Test Details

Test Date * 05/28/2014 Audit Type * 2 Witnessed Part of Test & Test Report Re Result * P
Receive Dt 07/11/2014 Review Dt 08/04/2014 Next Test Dt 09/15/2015
Test Point
Test Meth Team

Test Details

Test Allow 10.000000 Unit 98 TEST REQUIRED (NO ALLOWABLE EMISSION)
Actual 2.000000 Unit 98 TEST REQUIRED (NO ALLOWABLE EMISSION)
Permit Allow 10.000000 Unit 98 TEST REQUIRED (NO ALLOWABLE EMISSION)
% of Test Actual Above/Below Test Allow -80.00
Comment

FRM-41067: Cannot find Menu Item: invalid ID.
Record: 1/1



Key AirCom Features

- Seamless updates
- New, easy to maintain technology
 - Application owned by state and can be maintained by state IT staff
- User-friendly tabbed browsing
- Web based and can be used on desktop, laptop, tablet, and phone
- Allows for use in the field whether or not internet connection is available
 - “Hybrid” approach allows for generation of a custom inspection PDF that can be used to enter data on a tablet
 - AirCom will then extract data from PDF and automatically enter results into system
 - PDF can also be printed out and used for manual entry of inspection results

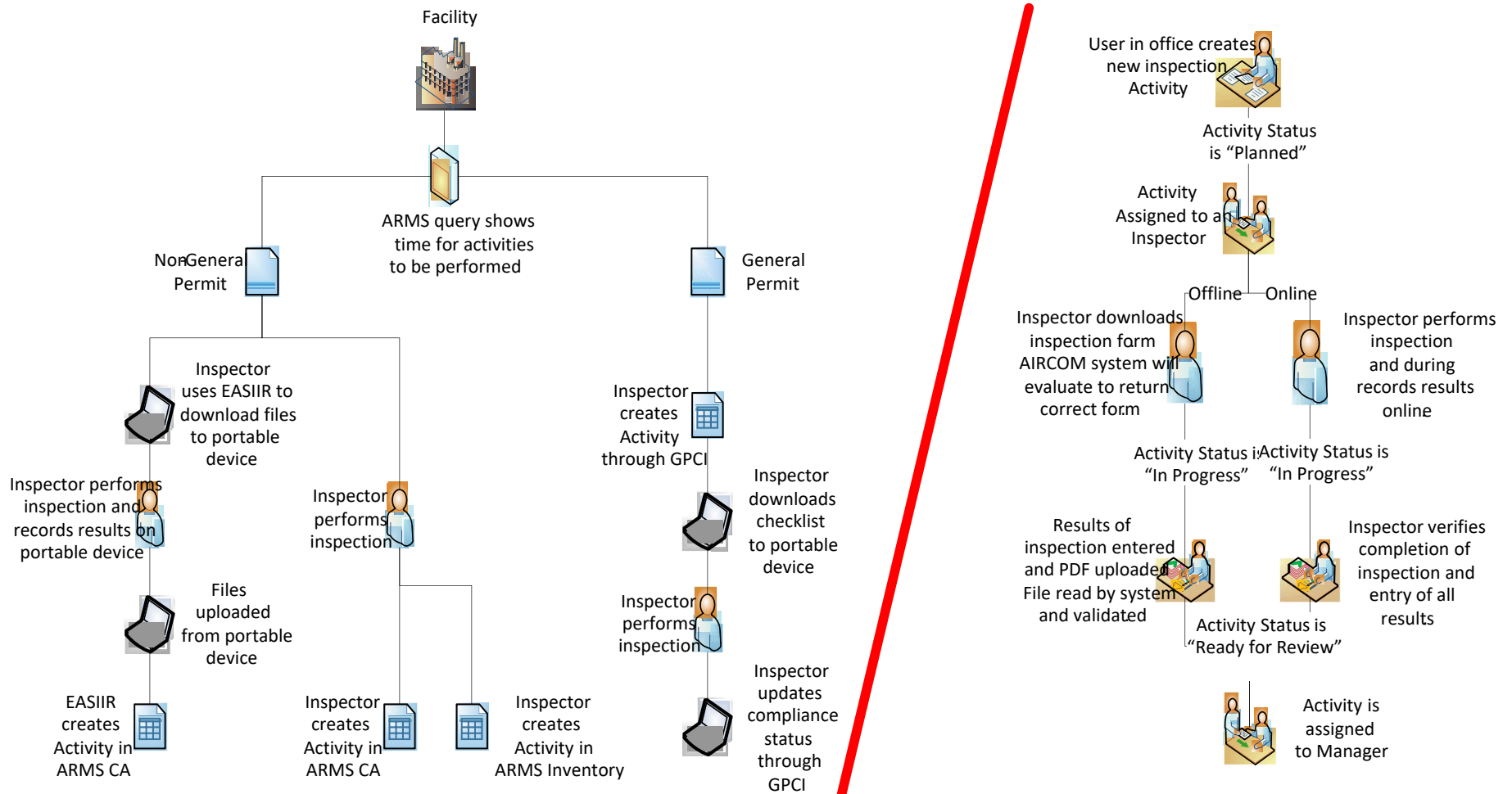


Key AirCom Features

- Single application reinforces consistent CA processes across state
- Designed to ensure all federally-required data is collected and quality assured
 - System will check activity data to ensure all required data is entered
 - System will alert user when observations exceed allowable values – Ensures noncompliance accurately documented
- Easy workload management
 - Activities can be created and planned for future date
 - System has “Planned,” “In Progress,” and “Completed” statuses
 - Once activity results are entered, activity moves to “In Progress”
 - Automated emails will remind staff if activities are pending and not yet completed
- Second-level review
 - When activity is completed, can be marked “Ready for Review” to be sent to manager
 - Not all activities require management review



Key AirCom Features





How AirCom Works



DEP BUSINESS PORTAL

AirCom

Florida Department of Environmental Protection

YOUR SESSION WILL TIME OUT IN 054 MINUTES.

This is a test website. The production website is not yet available.

Welcome, [Redacted] [\[Sign Out\]](#)

[Admin Tools](#)

[Air Compliance](#)

Home

Search Criteria

Search by Facility

AIRS ID:

Owner/Company Name:

Compliance Office:

- CDOR-Cen: ORANGE
- CD-Cen: ORLANDO
- NEDB-NE Br: GAINESVILLE
- NEDV-NE: DUVAL

Press and hold down the Ctrl key, and then click each item that you want to select/deselect.

Facility/Site Name:

Status:

County:

Facility Reg Class:

Zip Code:

Address:

City:

Activity Criteria

Compliance Status:

Date Performed From: To:

Compliance Category:

Date Due From: To:

Activity Type:

Activity Status:

Assigned Staff:

Violation Criteria

Violation Status:

Date Discovered From: To:



Darm Aircom — 2.0.3.24310

[Site Map](#) — [Business Issues / Technical Assistance](#) — (850) 717-9012 / (850) 717-9000 — [Contact Us](#)





How AirCom Works



DEP BUSINESS PORTAL

AirCom

Florida Department of Environmental Protection

YOUR SESSION WILL TIME OUT IN 059 MINUTES.

This is a test website. The production website is not yet available.

Welcome, [User Name] [\[Sign Out\]](#)

[Admin Tools](#)

[Air Compliance](#)

Home

[Home](#) > [Search Facility](#) > [Facility Search Results](#) > [Facility Activities](#)

Facility Activities | [Facility Violations](#)

General

AIRS ID:	<input type="text" value="0010001"/>	Facility/Site Name:	<input type="text" value="U OF FL COGEN, 11G GRADEVV"/>
Owner/Company Name:	<input type="text" value="FLORIDA POWER CORPORATION D/B/A PROGRESS"/>	Facility Status:	<input type="text" value="ACTIVE"/>
County:	<input type="text" value="Alachua"/>	Compliance Office:	<input type="text" value="NED"/>
Facility Compliance Status:	<input type="text" value="SIGNIFICANT NON COMPLIANCE"/>		

Activity Criteria

Compliance Status:

Date Performed From: To:

Compliance Category:

Due Date From: To:

Activity Type:

Activity Status:

Assigned Staff:

Facility Activities Your query returned 7 record(s).

Page: 1/1

Date Performed	Associated Complaint #	Compliance Category	Activity Type/Description	Notes	Due Date	Activity Status	Initial Compliance Status	Current Compliance Status	Number of Violations/Resolution	Operation(s)
06/24/2014		INSPECTION	INS1 / Compliance Inspection, Drive By	Test Activity for Manatee Office - 06/24	06/24/2014	Complete	SIGNIFICANT NON COMPLIANCE	IN COMPLIANCE	Violations (2) / Resolutions (6)	View/Edit Activity Delete Activity
06/24/2014		INSPECTION	INS1 / Compliance Inspection, Drive By	Test Activity 2 for Manatee Office - 06/24	06/24/2014	Complete	SIGNIFICANT NON COMPLIANCE	IN COMPLIANCE	Violations (1) / Resolutions (6)	View/Edit Activity Delete Activity
06/24/2014		INSPECTION	INS1 / Compliance Inspection, Drive By	Manas Test Activity 1 - 24th June	06/24/2014	Complete	SIGNIFICANT NON COMPLIANCE	SIGNIFICANT NON COMPLIANCE	Violations (2) / Resolutions (2)	View/Edit Activity Delete Activity
06/24/2014		INSPECTION	INS1 / Compliance Inspection, Drive By	Manas Test Activity 2 - 24th June	06/24/2014	Complete	MINOR NON COMPLIANCE	MINOR NON COMPLIANCE	Violations (1) / Resolutions (2)	View/Edit Activity Delete Activity
06/21/2014		INSPECTION	INS1 / Compliance Inspection, Drive By	test	06/21/2014	Complete				View/Edit Activity Delete Activity
06/25/2014		INSPECTION	INS1 / Compliance Inspection, Drive By	test Activity 1 - Manas	06/23/2014	Complete	SIGNIFICANT NON COMPLIANCE	IN COMPLIANCE	Violations (2) / Resolutions (4)	View/Edit Activity Delete Activity
06/25/2014		INSPECTION	INS1 / Compliance Inspection, Drive By	Test Activity 2 - Manas	06/23/2014	Complete	SIGNIFICANT NON COMPLIANCE	IN COMPLIANCE	Violations (1) / Resolutions (4)	View/Edit Activity Delete Activity

Page: 1/1



Offline Fillable PDF Inspection Form



FLDEP Non-General Permit Air Inspection

SITE NAME: WHITEHOUSE LUMBER OPERATIONS		AIRS ID: 0310197	
OWNER/COMPANY NAME: WEST FRASER, INC.		COUNTY: Duval	
SITE ADDRESS: 109 HALSEMA ROAD SOUTH		TITLE V: Y	
COMPLIANCE OFFICE: NE - DUVAL		COMPLIANCE CATEGORY: INSP-INSPECTION	
ACTIVITY TYPE: INS2-Compliance Inspection, Walk Through		INSPECTION PERFORM DATE: 06/14/2014	

FACILITY CONTACT INFORMATION						
First Name	Middle Name	Last Name	Title	Phone Number	Email	Primary Contact
William	David	Miller	Chief Engineer	850-555-1212	dmiller@fakeemail.com	Yes <input type="checkbox"/>

REGULATED EMISSION UNIT(s) CONDITIONS	
EU#	1
EU Description	Wood Drying kiln No. 1(Middle)
Status:	In Compliance
EU Comments:	Kiln working as expected

Capacity/PTE EU # 1

Max Heat Input: 15.0	Max Throughput Rate: 0.0
Schedule: 8760HY,DW,HD,WY	Max Production Rate: 0.0
Max Incin Rate: 0.0	Capacity Comment: FOR WOOD--2.20 MMBTU/HR. OF PROPANE


SCC #	39001099
Process/Fuel Description:	
SCC Units:	1000 Gallons Liquefied Petroleum Gas (LPG) Burned
Comments:	PROPANE GAS BURNED - EF=1-03-010-02
% Ash Limit:	% Ash Observed: 1
% Sulfur Limit:	% Sulfur Observed: 2
Hourly Rate Limit:	Hourly Rate Observed: 3
Annual Rate Limit:	Annual Rate Observed: 4

SCC #	39000999
Process/Fuel Description:	
SCC Units:	Tons Wood Burned
Comments:	WOOD SHAVINGS BURNED
% Ash Limit:	% Ash Observed: 5
% Sulfur Limit:	% Sulfur Observed: 6
Hourly Rate Limit:	Hourly Rate Observed: 7
Annual Rate Limit:	Annual Rate Observed: 8

SCC #	30700898
Process/Fuel Description:	DRYING KILN NO.1
SCC Units:	1000 Board Feet Material Processed
Comments:	DRYING OF GREEN LUMBER



How AirCom Works



DEP BUSINESS PORTAL

AirCom
Florida Department of Environmental Protection

YOUR SESSION WILL TIME OUT IN 060 MINUTES.

This is a test website. The production website is not yet available.

Welcome, [REDACTED] [\[Sign Out\]](#)

Air Compliance

[Home](#) | [Welcome](#) | [To Do](#) | [Dashboard](#)


Compliance Office: CD-Cen: ORLANDO [Submit](#)

Your query returned 29 record(s).

Page: 1/1



AIRS ID	Facility Name	Activity Creation Date	Date Performed	Compliance Category	Activity Type/Description	Due Date	Activity Status	Initial Compliance Status	Current Compliance Status	Operation(s)
0090001	JAMES HOLMES MEDICAL CENTER	05/20/2015		INSPECTION	INS1/Compliance Inspection, Drive By	05/22/2015	Planned			View/Edit Activity Delete Activity
0730073	CHROMALLOY-TALLAHASSEE	06/02/2015		INSPECTION	INS2/Compliance Inspection, Walk Through	06/04/2015	Planned			View/Edit Activity Delete Activity
0730073	CHROMALLOY-TALLAHASSEE	06/02/2015		INSPECTION	INS2/Compliance Inspection, Walk Through	06/04/2015	Planned			View/Edit Activity Delete Activity
0570057	ENVIROFOCUS TECHNOLOGIES, LLC	06/13/2015		INSPECTION	FR/File Review	01/01/2016	Planned			View/Edit Activity Delete Activity
0570057	ENVIROFOCUS TECHNOLOGIES, LLC	06/13/2015		INSPECTION	FR/File Review	06/12/2017	Planned			View/Edit Activity Delete Activity
0570057	ENVIROFOCUS TECHNOLOGIES, LLC	06/15/2015		INSPECTION	INS2/Compliance Inspection, Walk Through	01/01/2016	Planned			View/Edit Activity Delete Activity
0730073	CHROMALLOY-TALLAHASSEE	06/02/2015		INSPECTION	INS2/Compliance Inspection, Walk Through	06/04/2015	In Progress			View/Edit Activity Delete Activity
0010001	U OF FL COGEN	05/31/2015	05/31/2015	INSPECTION	INS2/Compliance Inspection, Walk Through	05/31/2015	In Progress			View/Edit Activity Delete Activity
0730073	CHROMALLOY-TALLAHASSEE	05/28/2015	05/28/2015	INSPECTION	TCOMP/test comp Activity52815	05/28/2015	In Progress			View/Edit Activity Delete Activity
0730003	ARVAH B. HOPKINS GENERATING STATION	04/29/2015	04/29/2015	TEST AND REPORTS	MRR/Miscellaneous Report Review	04/29/2015	In Progress			View/Edit Activity Delete Activity
0730003	ARVAH B. HOPKINS GENERATING STATION	04/26/2015	04/26/2015	TEST AND REPORTS	STR/Stack Test Report Review	04/26/2015	In Progress			View/Edit Activity Delete Activity
0730003	ARVAH B. HOPKINS GENERATING STATION	04/22/2015	04/22/2015	RESOLUTION	COE/Consent Order Executed	04/22/2015	In Progress			View/Edit Activity Delete Activity
0730003	ARVAH B. HOPKINS GENERATING STATION	04/20/2015	04/20/2015	RESOLUTION	MCOE/Model Consent Order Executed	04/20/2015	In Progress			View/Edit Activity Delete Activity
0730003	ARVAH B. HOPKINS GENERATING STATION	04/13/2015	04/13/2015	INSPECTION	INS2/Compliance Inspection, Walk Through	04/13/2015	In Progress			View/Edit Activity Delete Activity

Page: 1/1




Darm Aircom — 2.0.5-SNAPSHOT.24356

[Site Map](#) — [Business Issues / Technical Assistance](#) — (850) 717-9012 / (850) 717-9000 — [Contact Us](#)







How AirCom Works



DEP BUSINESS PORTAL



YOUR SESSION WILL TIME OUT IN 060 MINUTES.

This is a test website. The production website is not yet available. Welcome, [REDACTED] [\[Sign Out\]](#)

Admin Tools
Air Compliance

Home | [Welcome](#) | [Dashboard](#)

Number of Days > 45

VIOLATIONS OPEN > 45 DAYS CHART AS OF 09/10/2015

OFFICES	Number of Violations
CD	3
CDOR	1
NED	4
NEDV	2
NWD	3
SED	1
SEDA	7
SWD	3
SWHI	4
SWSA	2

Compliance Office: STATEWIDE

OPEN HPV'S FROM DAY ZERO AS OF 09/10/2015

DAY RANGE	Number of HPV's
0-60	3
61-90	0
91-120	0
121-150	0
151-170	0
171-175	0
176-180	0
180+	5


Compliance Office: STATEWIDE

STACK TEST REPORT TRACKER FOR IN PROGRESS OR READY FOR REVIEW AS OF 09/10/2015



DAY RANGE	Number of Stack Test Reports
45-90	0
91-110	0
111-120	0
120+	4

FCE TRACKER AS OF 09/10/2015

OFFICES	FCEs on CMS Plan	FCEs Performed
CD	23	7
CDOR	14	0
NED	31	9
NEDB	0	0
NEDV	0	0
NWD	7	8
NWDP	1	0
NWDT	7	4
SD	15	9
SEBR	2	0
SED	15	4
SEDA	10	14
SEPB	15	0
SWD	32	10
SWHI	23	13
SWFN	1	0
SWSA	4	0
STATEWIDE	228	82



Darm Aircom — 2.0.4.24334

[Site Map](#) — [Business Issues / Technical Assistance](#) — (850) 717-9012 / (850) 717-9000 — [Contact Us](#)



Process

- Analysis of existing systems and database needs
 - Do existing systems meet existing needs and if not, can they be modified?
- Joint requirement planning meetings
 - Time where agency relays needs to developer
 - Developer would create mockups to start dialogue
- Application Development
- Testing
- Go live (August 2014)



Keys To Successful Development

- Team
 - Knowledgeable field staff
 - Data quality assurance manager
 - Policy staff
 - Decider
- Contractor
 - History of successful projects
 - Open communications regarding status of project
 - What is working and what is not
- Preparation
 - Pre-joint requirement planning meetings





Early Successes

- 100% compliance with internal data entry timelines within 6 months of going live statewide
- Less time needed to format data for EPA upload
- Less manual quality assurance needed
- Direct accountability for inspectors



Contact

Justin B. Green
Director

Division of Water Resource Management

Justin.B.Green@dep.state.fl.us