



Crane Operator Forum

Presented By:

Miami-Dade Aviation Department

Aviation Planning Division

&

Federal Aviation Administration

August 16, 2006





https://oeaaa.faa.gov

Obstruction Evaluation / Airport Airspace Analysis (OE/AAA) - Microsoft Internet Explorer provided by Miami-Da...

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 **Federal Aviation Administration**
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Obstruction Evaluation / Airport Airspace Analysis (OE/AAA) faa.gov Tools: [Print this page](#)

Obstruction Evaluation

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OE/AAA Account

- Login
- [New User Registration](#)

Information Resources

[Register as a new user for the OE/AAA system.](#)

Obstruction Evaluation / Airport Airspace Analysis (OE/AAA)

In administering Title 14 of the Code of Federal Regulations CFR [Part 77](#), the prime objectives of the FAA are to promote air safety and the efficient use of the navigable airspace. To accomplish this mission, aeronautical studies are conducted based on information provided by proponents on an FAA Form 7460-1, Notice of Proposed Construction or Alteration.

[Advisory Circular 70/7460-2K](#), Proposed Construction or Alteration of Objects That May Affect the Navigable Airspace, provides information to persons proposing to erect or alter an object that may affect the navigable airspace. [Advisory Circular 70/7460-1K](#), Obstruction Marking and Lighting, describes the standards for marking and lighting structures such as buildings, chimneys, antenna towers, cooling towers, storage tanks, supporting structures of overhead wires, etc.

OE/AAA Filing Process

If your organization is planning to sponsor any construction or alterations which may affect navigable airspace you must file a **Notice of Proposed Construction or Alteration (Form 7460-1)** with the FAA.

<https://oeaaa.faa.gov/oeaaaEXT/userMgmt/permissionAction.jsp?action=showRegistrationForm> Internet

- Please bookmark this site!
- File with the FAA at least 30 days in advance (for cranes).

Why File?

- It's the law!
- Ensures a safe operation.
- Liability



FAA and MDAD

- **Work together to ensure aviation safety.**
- **FAA can identify obstructions and protect airspace. MDAD enforces FAA regulations.**
- **MDAD will not approve crane use if FAA requirements have not been met.**
- **MDAD can help you to determine if you need to file with the FAA.**



CFR Title 14 Part 77 Surfaces

- **What is it?**
 - **Code of Federal Regulation (CFR) Title 14 Part 77**
 - “CFR Title 14 Part 77 establishes standards and notification requirements for objects affecting navigable airspace.”
 - Title 14 Part 77 prescribes certain imaginary surfaces projected to help determine whether obstructions pose any danger to aircraft in the vicinity of the airport.



Part 77 Basics

- **What does it do?**

- Evaluates the effect of the proposed structure or alteration on aircraft operating procedures.
- Determines the potential hazardous effect of the proposed structure or alteration on air navigation.
- Identifies mitigating measures to enhance safe air navigation
- Charts new man-made objects.

- Part 77 allows the FAA to identify potential aeronautical hazards in advance thus preventing or minimizing the adverse impacts to the safe and efficient use of navigable airspace.
- “The notice required under section 77.13 (a) (1) through (4) must be submitted at least 30 days before the proposed construction is to begin.”





FAR Part 77

Failure to Comply

- Persons failing to comply with the provisions of FAR Part 77 are subject to Civil Penalty under Section 902 of the Federal Aviation Act of 1958, as amended and pursuant to 49 U.S.C. Section 46301(a).





Part 77 Notification Requirements (When do I need to file with the FAA?)

- Part 77 Notice Criteria
 - Any proposed construction or alteration **more than 200 ft.** above ground level (AGL) at its site.
 - Within 20,000 ft. of a public-use or military airport having at least one runway more than 3200 ft. in length and exceeding a **100:1 slope.**
 - Within 10,000 ft. of a public-use or military airport having no runway more than 3200 ft. in length and exceeding a 50:1 slope.
 - Within 5,000 ft. of any public-use heliport and exceeding a 25:1 slope.
- Anything which exceeds the above is automatically considered an obstruction by the FAA, although it might not be considered a hazard, until the FAA determines so.
- Anytime the FAA or MDAD deems it necessary.



How do I notify the FAA?

- “e-file” online at <https://oeaaa.faa.gov>
- Mail any additional background information to the FAA Express Processing Center at:
 - Federal Aviation Administration
Air Traffic Airspace Branch - ASW-520
2601 Meacham Blvd
Ft. Worth, TX 76137-0520
- Any information forwarded to this office will be electronically uploaded to your case.
- Any information larger than 8.5” x 11” must be mailed to the above address. The FAA will forward it to the appropriate personnel.



You'll need Latitude and Longitude in NAD83 to complete the application process.

• **Some sites available where one may obtain Lat/Long information, such as :**

- Google Earth
- Topozone
- Maporama
- Maptech
- Terraserver
- Others

• **Disclaimer:**

• **These sites are neither endorsed nor promoted by the FAA or MDAD. These sites were provided for informational purposes only.**



Example of how to find Lat/Longs on "Google Earth"



Advantages of E-filing

- **Allows for quicker response time.**
- **No potential mail delays.**
- **You instantly receive an aeronautical study number. This number should be referenced on any inquiries and all correspondence referencing your project.**
- **You can monitor status of your filing on a real-time basis by logging onto your registered account at : <https://oeaaa.faa.gov>**
- **Eliminates your need to call FAA personnel for status updates, allowing them to work on your case!**
- **The website is available for your convenience 24/7.**





Areas of Responsibility

All emails should be sent to the Technician AND the Specialist

https://oeaaa.faa.gov - Air Traffic State Contacts - Microsoft Internet Explorer provided ...

Florida - Southern

<u>Position</u>	<u>Name</u>	<u>E-Mail</u>	<u>Telephone</u>
Technician:	Venticinque, Katie	katie.venticinque@faa.gov	(718)553-4542
Specialist:	Newalu, Earl	earl.newalu@faa.gov	(404)305-5592
Backup Technician:	Steele, Linda	linda.steele@faa.gov	(817)222-5539

[Close](#)

It's better to email than to call. (quicker response)



Internet





FAA's New Online Filing Application "e-Filing"

**First Time User:
Click on New
User
Registration**

Obstruction Evaluation / Airspace Analysis (OE/AAA) - Microsoft Internet Explorer provided by Miami-Da...

Address: https://oeaaa.faa.gov/oeaaaEXT/portal.jsp

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Obstruction Evaluation / Airport Airspace Analysis (OE/AAA)

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https://oeaaa.faa.gov/oeaaaEXT/userMgmt/permissionAction.jsp?action=showRegistrationForm

First Time User Registration, Part 1

New User Registration - Microsoft Internet Explorer provided by Miami-Dade Aviation Department

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Circle Search

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New User Registration

Information Resources

FAA Acronyms

Forms

Regulatory Policy

Relevant Advisory Circulars

*** First Name:**

*** Last Name:**

*** Email Address:**

*** Username:**

*** Password:**

*** Retype Password:**

*** Phone Number:** ext

*** Fax Number:**

Organization/Company:

*** Address 1:**

Address 2:

*** City:**

*** State:**

*** Postal Code:**

Restriction of Liability Statement

Internet

First Time User's Registration, Part 2

New User Registration - Microsoft Internet Explorer provided by Miami-Dade Aviation Department

Address: <https://oeaaa.faa.gov/oeaaaEXT/userMgmt/permissionAction.jsp?action=showRegistrationForm>

Relevant Advisory Circulars

Organization / Company: Miami-Dade Aviation Dept

*** Address 1:** Aviation Planning Division

Address 2: PO Box 592075

*** City:** Miami

*** State:** Florida

*** Postal Code:** 33159

Restriction of Liability Statement

The FAA makes no claims, promises, or guarantees about the accuracy, verification of the set-up of user accounts, completeness, or adequacy of the contents of this website and expressly disclaims liability for errors or omissions in the contents of this website. No warranty of any kind, implied, expressed or statutory, including but not limited to warranties of non-infringement of third party rights, title, merchantability, fitness for a particular purpose and freedom from computer virus, is given with respect to the contents of this site or its hyperlinks to other Internet resources. Reference in this website to any specific commercial products, processes, or services, or the use of any trade, firm or corporation name is for the information and convenience of the public, and does not constitute endorsement, recommendation, or favoring by FAA.

I accept the above statement.

Submit **Cancel**

Check the box

Click on the "Submit" Button



You're Finished Registering!

Click here

Successful! - Microsoft Internet Explorer provided by Miami-Dade Aviation Department

File Edit View Favorites Tools Help

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Address <https://oeaaa.faa.gov/oeaaa/UserMgmt/permissionAction.jsp> Go Links

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User Registration was Successful! [faa.gov Tools: Print this page](#)

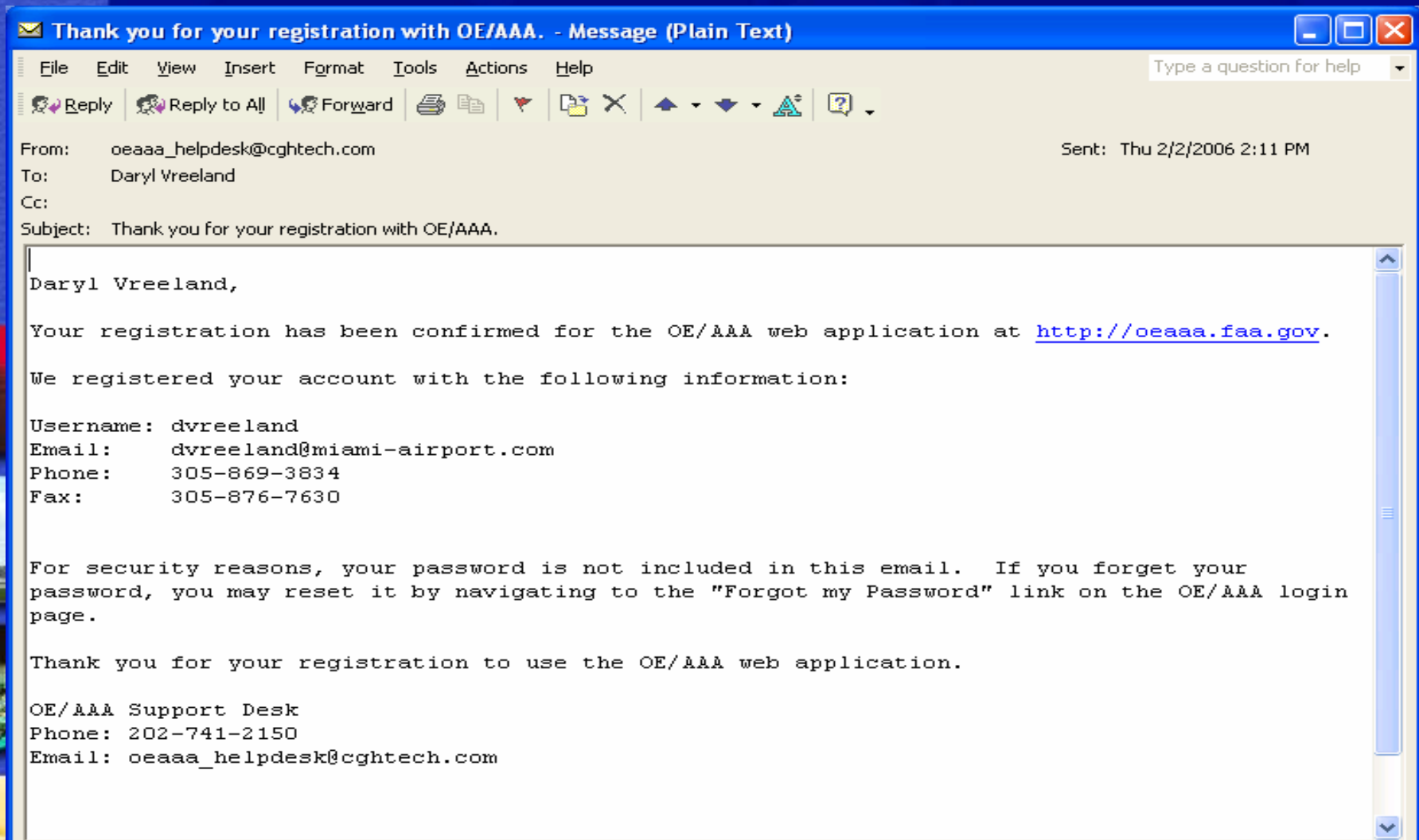
You have successfully registered.

[Continue](#)

Done Internet



We receive a Confirmation email





Portal Page

Let's add a case for a hypothetical new crane

OE/AAA Portal Page

Browser provided by Miami-Dade Aviation Department

File Edit View Links

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OE/AAA Account

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- My Cases
- My Sponsors
- Add New Case (7460-1)
- Update User Account
- Change Password
- Logout

Information Resources

- FAA Acronyms

Account Details

Name: Daryl Vreeland
User Name: dvreeland
Login Time: 02/02/2006 02:10:44 PM
IP Address: 123.456.78.912

Actions:
[Update Account Information](#)
[Change Password](#)
[Logout](#)

OE/AAA Cases & Sponsors

[My Cases](#) | [Add New Case](#)
[My Sponsors](#) | [Add New Sponsor](#)
[Air Traffic Areas of Responsibility](#) **NEW**

My Cases by Status:

Draft	0
Accepted	0
Add Letter	0
Work in Progress	0
Determined	0
Circularized	0
Terminated	0
All	0

Email Notifications

[Circularized Case Notification](#)

Help & Documents

OE/AAA Support Desk
Phone: 202-741-2150
Email: oeaaa_helpdesk@cghtech.com

- OE/AAA System User Guide
- FAA Acronyms

Internet




We need to add a sponsor first (only needs to be entered the first time you file)

Sponsor Required - Microsoft Internet Explorer provided by Miami-Dade Aviation Department

File Edit View Favorites Tools Help

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Address <https://oeaaa.faa.gov/oeaaaEXT/eFiling/locationAction.jsp?action=showl> Go Links >> Google

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Sponsor Required faa.gov Tools: [Print this page](#)

You must add a Sponsor before creating a new Case (7460-1).

[Add New Sponsor](#)

We need to add a sponsor first! (where the FAA will send any written correspondence or contact you by phone) (usually the owner/operator of the structure being studied)

Let's do that now by clicking here.

Entering Sponsor Data

Add New Sponser - Microsoft Internet Explorer provided by Miami-Dade Aviation Department

File Edit View Favorites Tools Help

Address <https://oeaaa.faa.gov/oeaaaEXT/eFiling/sponsorAction.jsp?action=show> Go Links >> Google

Obstruction Evaluation **Add New Sponser** faa.gov Tools: [Print this page](#)

Please populate the following form to add or update a Sponsor.
*Required fields indicated with **

*** Sponsor Name:**

*** Attention Of:**

*** Address:**

*** City:**

*** State:**

*** Country:**

Postal Code:

*** Phone:** ext

*** Fax:**

*** Email:**

Populate all the fields and click the "Submit" button.

Done Internet



One Sponsor Field Has Been Successfully added.

My Sponsors - Microsoft Internet Explorer provided by Miami-Dade Aviation Department

File Edit View Favorites Tools Help

Address <https://oeaaa.faa.gov/oeaaaEXT/eFiling/sponsorAction.jsp?action=show> Go Links Google

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- Add New Case (7460-1)

My Sponsors faa.gov Tools: [Print this page](#)

[Add New Sponsor](#)

Records 1 to 1 of 1 Page 1 of 1

Sponsor Name	Attention Of	Phone	Email	City	State
Daryl's Crane Service	Daryl Vreeland	305-869-3834	dvreeland@miami-airport.com	Miami	FL

Rows per Page: 20 Page: 1 Page 1 of 1

Records 1 to 1 of 1

Now we can add a new case. (Click here)

Internet



Populate the Information (This is for a typical crane scenario)

Notice of Proposed Construction or Alteration (7460-1) - Microsoft Internet Explorer provided by Miami-Dade A...

Search Favorites Refresh Print Mail Word Links >> Google

Filing/locationAction.jsp?action=showl Go

Construction or Alteration (7460-1) faa.gov Tools: Print this page

Crane Service

Construction / Alteration Information

* Notice Of: Construction
* Duration: Temporary
if Temporary : Months: 0 Days: 4
Work Schedule - Start: 01/01/2006 (mm/dd/yyyy)
Work Schedule - End: 01/04/2006 (mm/dd/yyyy)
State Filing:

Structure Summary

* Structure Name: Project # 111AAA
* Structure Type: Crane
Other :
FCC Number:
Prior ASN:

Structure Details

* Latitude: 25 11 42.33 N
* Longitude: 80 34 45.44 W

Common Frequency Bands

	Low Freq	High Freq	Freq Unit	ERP	ERP Unit
<input type="checkbox"/>	806	824	MHz	500	W
<input type="checkbox"/>	824	849	MHz	500	W

Done Internet

How will you identify the crane (invoice #, project #, etc..)?

How does your company identify this specific crane?

Crane submittals can ignore the section on frequencies!



Information Entering Part 2

Use a point closest to the airport (runways)

Crane submittals can ignore the section on frequencies!

Notice of Proposed Construction or Alteration (7460-1) - Microsoft Internet Explorer provided Miami-Dade A...

File Edit View Favorites Tools Help Links >> Google >

Structure Details				Common Frequency Bands						
* Latitude:	25	11	42.33	N	<input type="checkbox"/>	Low Freq	High Freq	Freq Unit	ERP	ERP Unit
* Longitude:	80	34	45.44	W	<input type="checkbox"/>	806	824	MHz	500	W
* Horizontal Datum:	NAD83				<input type="checkbox"/>					
* Horizontal Accuracy:	None				<input type="checkbox"/>					
* Site Elevation (SE):	10	(nearest foot)			<input type="checkbox"/>					
* Structure Height (AGL):	230	(nearest foot)			<input type="checkbox"/>					
* Marking/Lighting:	Red lights				<input type="checkbox"/>					
Other :	<input type="text"/>				<input type="checkbox"/>					
* Nearest City:	Miami				<input type="checkbox"/>					
* Nearest State:	Florida				<input type="checkbox"/>					
* Traverseway:	No Traverseway				<input type="checkbox"/>	1930	1990	MHz	1640	W
* Description of Location:	1234 SW 1 ST				<input type="checkbox"/>	2305	2310	MHz	2000	W
Description of Proposal:	Tower crane				<input type="checkbox"/>	2345	2360	MHz	2000	W
					<input type="checkbox"/>					

Specific Freq

Save Cancel

Description of location (street address, intersection, or distance & direction to a known landmark.

1234 SW 1 ST

Tower crane

Crawler crane, tower crane, etc..

Enter Additional Points (lat/long) here.

Click "Save" when finished.



This step is required prior to your case being submitted electronically to the FAA

Let's verify the map.

Notice of Proposed Construction or Alteration (7460-1) - Microsoft Internet Explorer provided by Miami-Dade A...

File Edit View Favorites Tools Help

Address <https://oeaaa.faa.gov/oeaaaEXT/eFiling/locationAction.jsp?action=showl> Go

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Construction Evaluation

Project Name: DARYL-000033238-06 Sponsor: Daryl's Crane Service

Project Summary : DARYL-000033238-06
[Add Another Case to this Project](#)

Structure Name	Status	ASN	City, State	Latitude	Longitude	Map	Actions
Tower Crane, Crawler...	Draft		Miami, FL	25° 11' 42.33" N	80° 34' 45.44" W	Verify Map	Delete Clone

To submit this project, you must verify the coordinates of each case listed above.

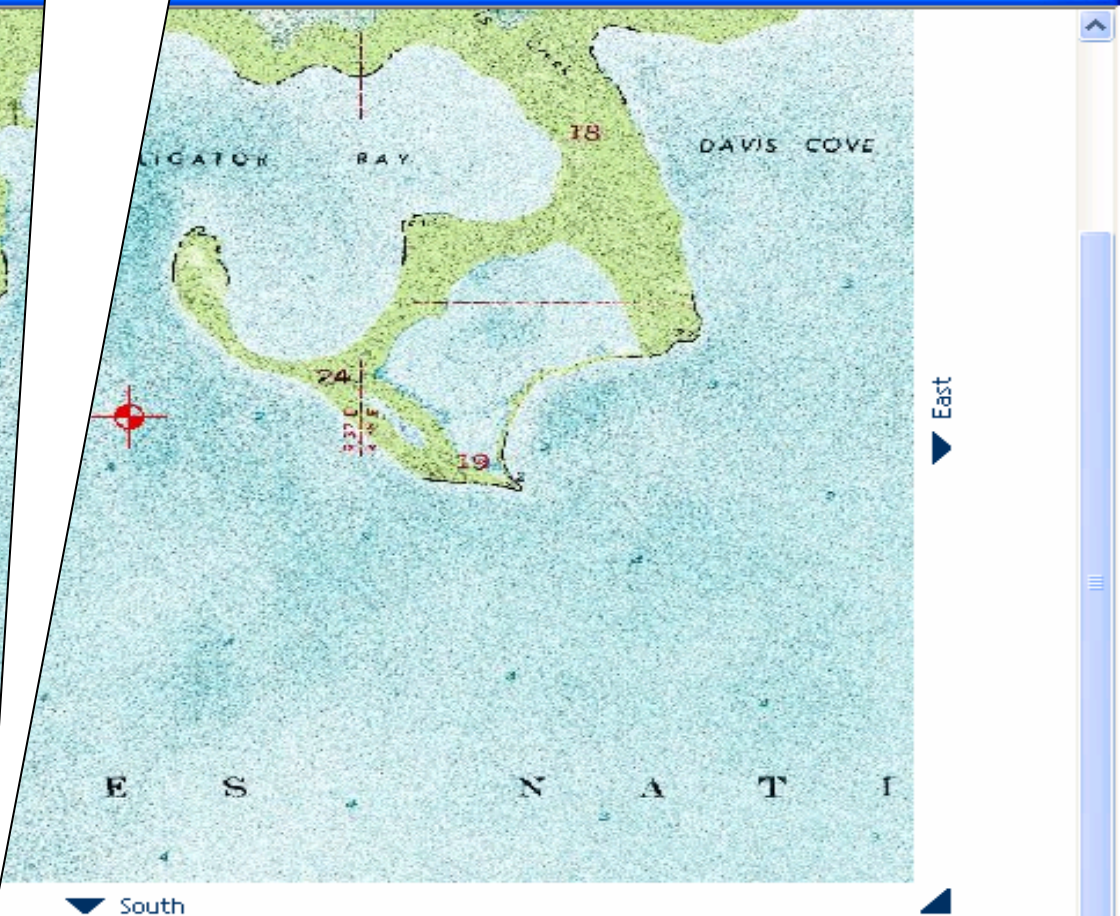
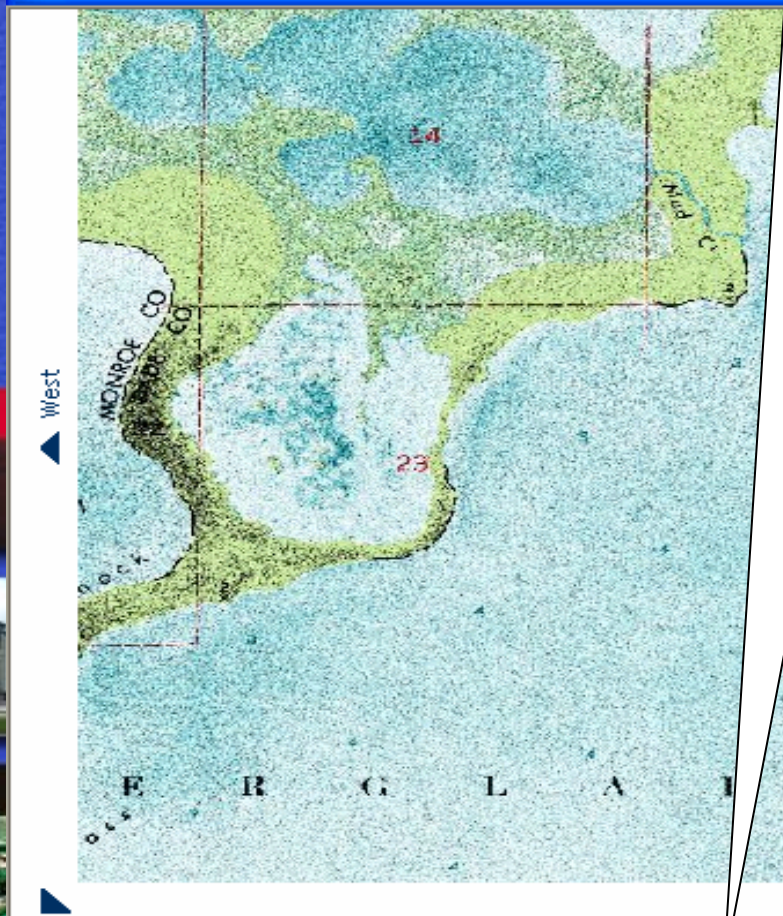
[Submit](#)



If everything looks the way it should, then click here.

https://oeaaa.faa.gov - OEAAA Mapping - Microsoft

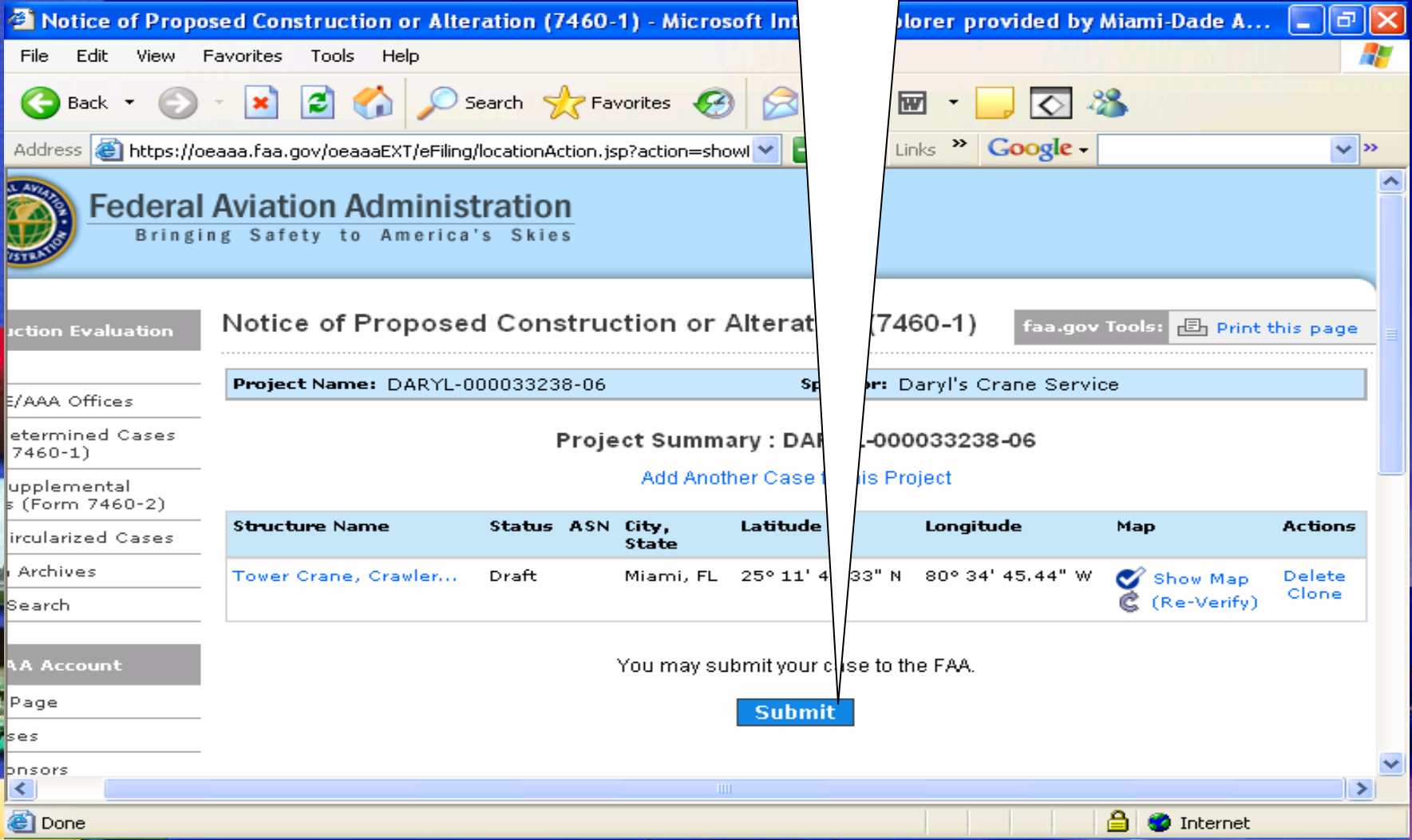
Explorer provided by Miami-Dade Aviation Department



By verifying the coordinates represented on the map, you agree that the location of the case you have entered is correct to the best of your knowledge.

Verify Map Cancel

You can now submit the case data.



Federal Aviation Administration
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Notice of Proposed Construction or Alteration (7460-1)

Project Name: DARYL-000033238-06 Sponsor: Daryl's Crane Service

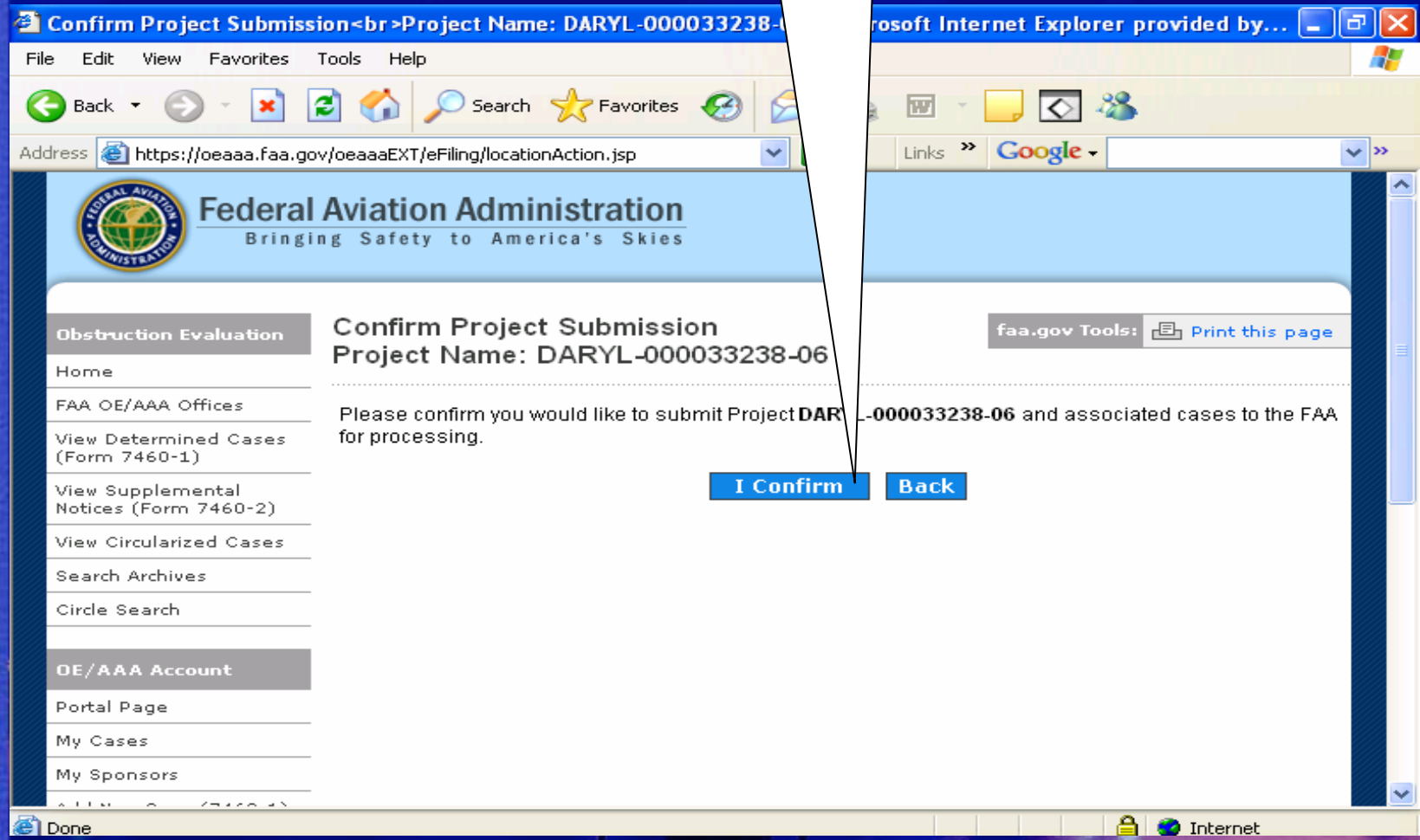
Project Summary : DARYL-000033238-06
[Add Another Case to this Project](#)

Structure Name	Status	ASN	City, State	Latitude	Longitude	Map	Actions
Tower Crane, Crawler...	Draft		Miami, FL	25° 11' 43" N	80° 34' 45.44" W	<input checked="" type="checkbox"/> Show Map <input type="checkbox"/> (Re-Verify)	Delete Clone

You may submit your case to the FAA.

Submit

Click on "I Confirm"




Confirm Project Submission
 Project Name: DARYL-000033238-06

Microsoft Internet Explorer provided by...

File Edit View Favorites Tools Help

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Address <https://oeaaa.faa.gov/oeaaaEXT/eFiling/locationAction.jsp>

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Confirm Project Submission
Project Name: DARYL-000033238-06

faa.gov Tools: [Print this page](#)

Please confirm you would like to submit Project DARYL-000033238-06 and associated cases to the FAA for processing.

I Confirm **Back**

Done Internet



Case data has been submitted.

Now click here.

Project Submission Success
Project Name: DARYL-000033238-06

Project **DARYL-000033238-06** has been submitted successfully to the FAA.
Please return to the system at a later date for status updates.

[Return to Portal](#)

faa.gov Tools: [Print this page](#)

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Click here to add an attachment.

Notice that we now have an Aeronautical Study Number (ASN)

My Cases in ACCEPTED Status - Microsoft Internet Explorer provided by Miami-Dade

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Address <https://oeaaa.faa.gov/oeaaaEXT/efiling/efilingAction.jsp?action=show...> Go Links

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My Cases in ACCEPTED Status faa.gov Tools: [Print this page](#)

All Cases **Filter by Case Status** **Cases Requiring Action**

[Show All Cases \(1\)](#) Draft (0) | **Accepted (1)** | Work in Progress (0) 7460-2 Required (0) | Add Letter (0)

Determined (0) | Circularized (0) | Terminated (0)

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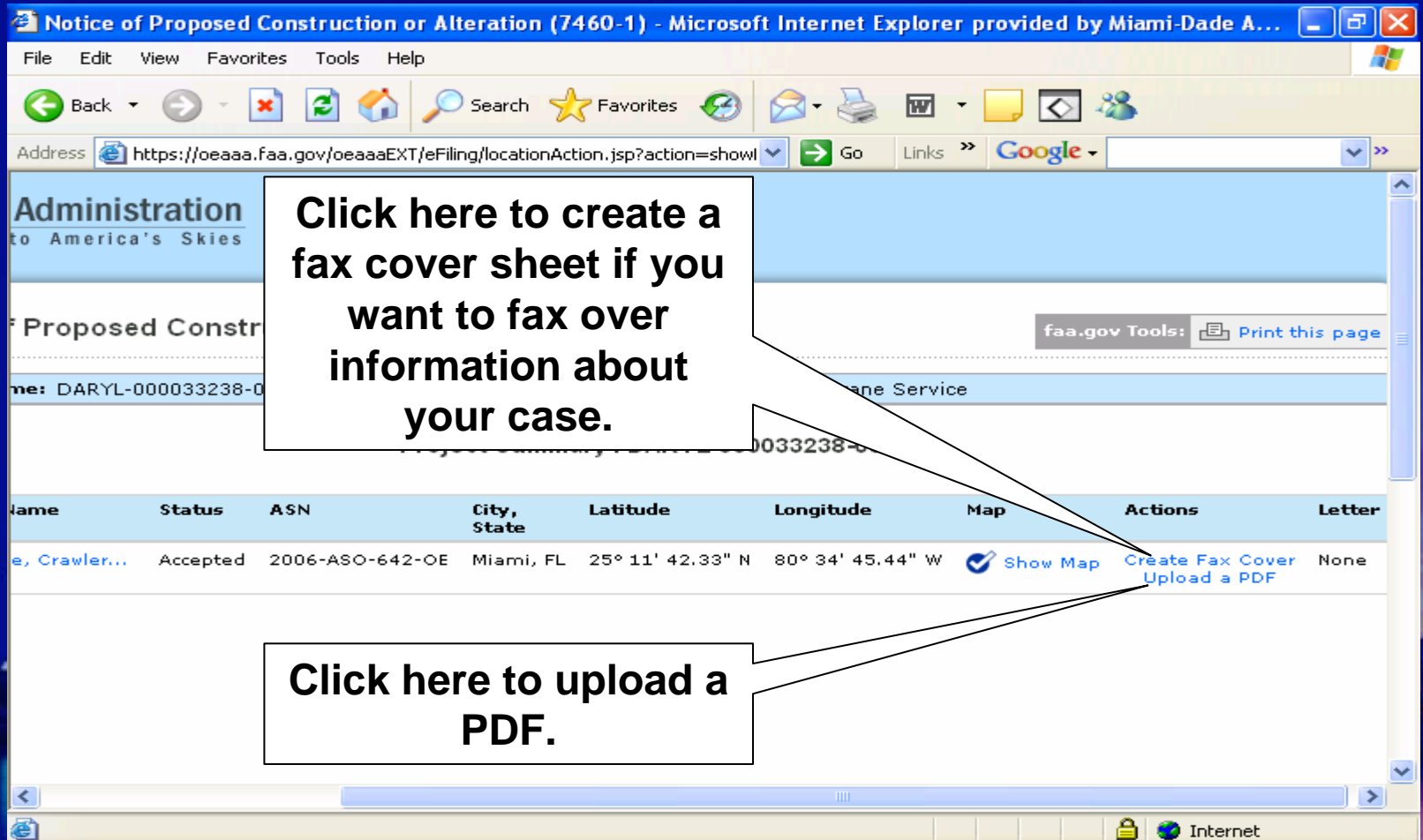
Project Name	Structure Name	ASN	Status	Date Submitted	Date Determined	City	State
DARYL-000033238-06	Tower Crane, Crawler...	2006-ASO-642-OE	Accepted	02/02/2006		Miami	FL

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Internet



To submit additional info:



Administration
to America's Skies

Notice of Proposed Construction or Alteration

Case Name: DARYL-000033238-0

faa.gov Tools: [Print this page](#)


Name	Status	ASN	City, State	Latitude	Longitude	Map	Actions	Letter
e, Crawler...	Accepted	2006-ASO-642-OE	Miami, FL	25° 11' 42.33" N	80° 34' 45.44" W	<input checked="" type="checkbox"/> Show Map	Create Fax Cover Upload a PDF	None


Click here to create a fax cover sheet if you want to fax over information about your case.

Click here to upload a PDF.




Upload a PDF

https://oeaaa.faa.gov - Upload PDF File for Case: 2006-ASO-642-OE - Microsoft Internet Explorer provided by M... 


Upload PDF File for Case: 2006-ASO-642-OE 

- Choose a document type
- Click Browse to select an Adobe PDF file from your PC
- Click Submit to attach the file to your case

Choose Type of Document: 7460-1 Case 

File to upload:

Only PDF files may be uploaded to the system

Done  Internet





You can use this coversheet to fax additional data to the FAA and it will be quickly entered into your case data by use of the bar code.

https://oeaaa.faa.gov/oeaaaEXT/eFiling/faxCoverSheetViewer.jsp?docTypeID=1&submit=Submit - Microsoft Inte...



Save a Copy | Print | Search | Select | 42%

Pages

Attachments

Comments

1YNA




Cover Sheet for: 2006-ASO-642-0E
7460-1 Case

To: iOE/AAA System - (202) 493 4926

From: _____

Phone: _____

Please include this cover sheet as the first page of your fax. This page is used for processing only and will not become part of the permanent record. For better processing, make sure that the barcode is clean, dark, and sharp. Please refrain from writing outside the designated areas. For questions call 202-741-2150.



1 of 1

Done | Unknown Zone



FAA Determination Work Stages

- **Draft**
 - The FAA has not yet received case data.
Applicant needs to complete map verification.
- **Accepted**
 - Applicant has completed e-filing requirements.
Case is pending FAA review and verification.
- **Add**
 - Additional information (could be site elevation, additional lat/longs, etc) is required from the applicant. Applicant is allowed 30 days to respond or case will be terminated.



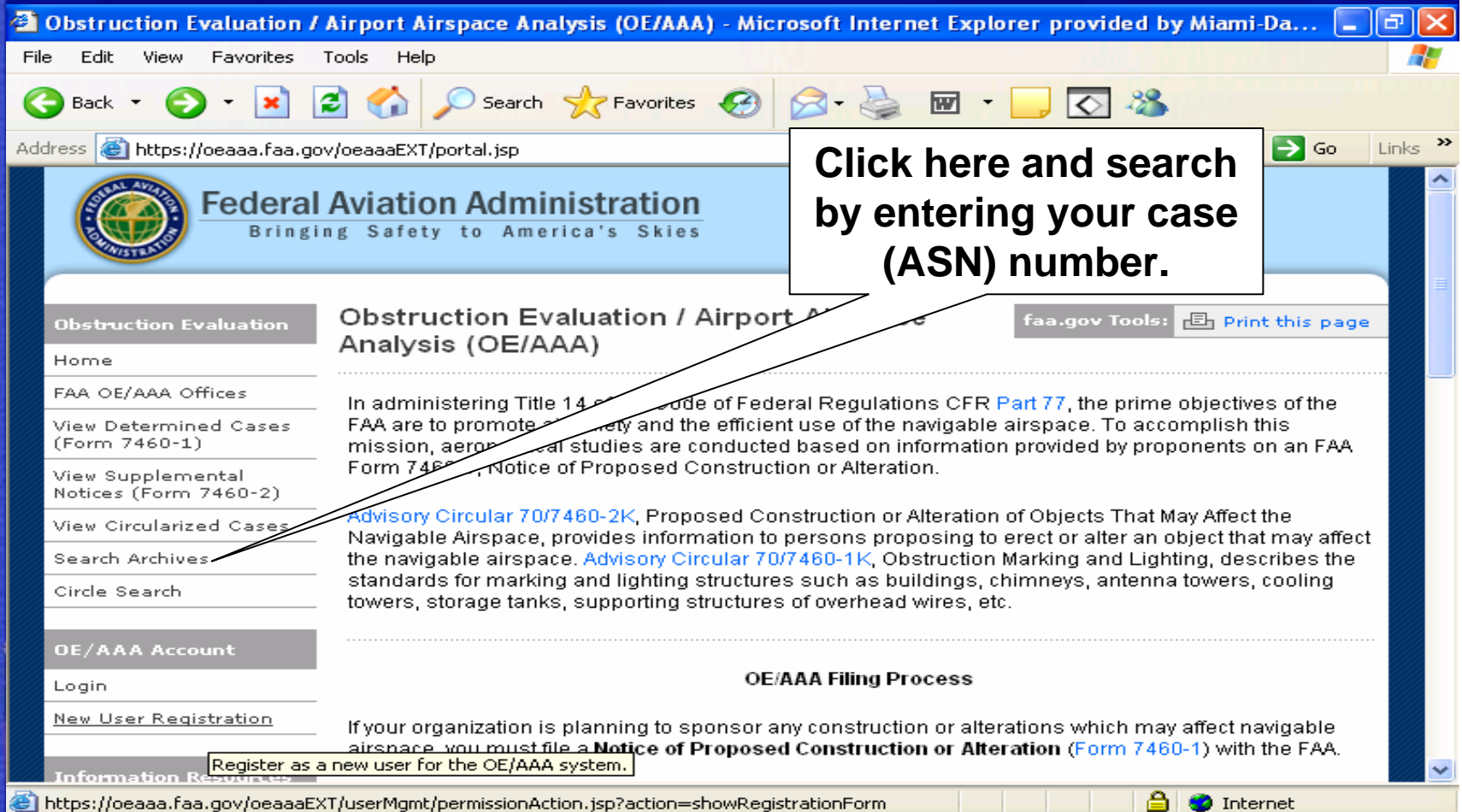
FAA Determinations Work Stages (part 2)

- **Work in Progress**
 - The FAA has verified the submitted case data and released it for study within the FAA.
- **Determined**
 - The determination is completed and available in PDF format on the web.
- **Circularized**
 - The case has been placed on public notice for 30 days to allow for public comment.
- **Terminated**
 - The case has been terminated. The applicant will be notified by email.



How to retrieve your determination.

- 1) Access the <https://oeaaa.faa.gov> web site.
- 2) Access through your registered account.



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In administering Title 14 of the Code of Federal Regulations CFR [Part 77](#), the prime objectives of the FAA are to promote safety and the efficient use of the navigable airspace. To accomplish this mission, aeronautical studies are conducted based on information provided by proponents on an FAA Form 7460-1, Notice of Proposed Construction or Alteration.

[Advisory Circular 70/7460-2K](#), Proposed Construction or Alteration of Objects That May Affect the Navigable Airspace, provides information to persons proposing to erect or alter an object that may affect the navigable airspace. [Advisory Circular 70/7460-1K](#), Obstruction Marking and Lighting, describes the standards for marking and lighting structures such as buildings, chimneys, antenna towers, cooling towers, storage tanks, supporting structures of overhead wires, etc.

OE/AAA Filing Process

If your organization is planning to sponsor any construction or alterations which may affect navigable airspace you must file a **Notice of Proposed Construction or Alteration (Form 7460-1)** with the FAA.

<https://oeaaa.faa.gov/oeaaaEXT/userMgmt/permissionAction.jsp?action=showRegistrationForm> Internet



Types of Determinations

- **DNE**
 - Does Not Exceed
- **EBO**
 - Exceeds, But O.K.
- **DNH**
 - Determination of No Hazard
- **DOH**
 - Determination of Hazard
- **NPH**
 - Notice of Presumed Hazard
 - This is not a final determination. FAA requires further coordination with the applicant.



Marking and Lighting

- **ALL cranes must have a steady-burning red obstruction light according to AC 70/7460-1k or most recent update. This can be found at <https://oeaaa.faa.gov>.**
- **Light Tower cranes in 3 places.**

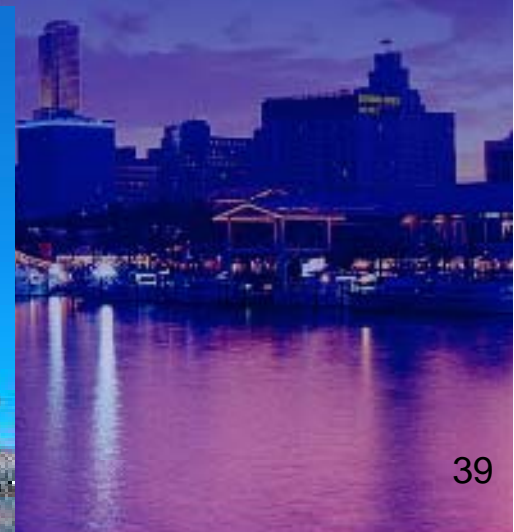


Light Tower Cranes at Both Ends and the High Point of the Crane

Light Tower Crane
HERE

Light Tower Crane
HERE

Light Tower Crane
HERE



This page allows you to view the status of your case as it goes through the study process.

OE/AAA Portal Page - Microsoft Internet Explorer provided by Miami-Dade Avia

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites RSS Mail Print

Address <https://oeaaa.faa.gov/oeaaaEXT/eFiling/portal.jsp?return=Return+to+P> Go Links

Federal Aviation Administration
Bringing Safety to America's Skies

Obstruction Evaluation

Home

FAA OE/AAA Offices

View Determined Cases (Form 7460-1)

View Supplemental Notices (Form 7460-2)

View Circularized Cases

Search Archives

Circle Search

OE/AAA Account

Portal Page

My Cases

My Sponsors

OE/AAA Portal Page

Account Details

Name: Daryl Vreeland
User Name: dvreeland
Login Time: 02/02/2006 02:10:44 PM
IP Address: 123.456.78.912

Actions:
[Update Account Information](#)
[Change Password](#)
[Logout](#)

FAA.gov Tools: [Print this page](#)

OE/AAA Cases & Sponsors

[My Cases](#) | [Add New Case](#)
[My Sponsors](#) | [Add New Sponsor](#)
[Air Traffic Areas of Responsibility](#) **NEW**

My Cases by Status:

Draft	0
Accepted	1
Add Letter	0
Work in Progress	0
Determined	0
Circularized	0
Terminated	0
All	1

Our case is accepted.

Internet





It MAY be necessary to do the following PRIOR to raising the crane

- Air traffic will request a NOTAM at least 5 days in advance of this crane being erected.
- *****
- As a condition to this determination you must complete the following prior to crane being erected.
- Call and speak with Earl Newalu @ 404-305-5592 (do not leave a message) or
- E-mail me at Earl.Newalu@faa.gov. If you e-mail please request a return receipt to your e-mail. Only when you receive notification that your e-mail has been received does the 5 day notification timeframe begin.
- This must be completed at least 5 days prior to crane being erected.
- This will notify FAA facilities that a NOTAM is forthcoming.
- A NOTAM must be in place prior to this crane being erected.



When the crane work is complete, you MAY need to do the following:

- **As a condition to this determination you must complete the following when the crane is finished, lowered and removed from the site.**
- **Call Earl Newalu @ 404-305-5592 and leave a message. or**
- **E-mail me at Earl.Newalu@faa.gov**
- **This will allow FAA facilities to resume normal operations.**



Other possible conditions contractor/crane operator MAY have to perform:

- ****Lower at Night****
- **As a condition to this determination, the temporary structure should be lowered to the ground when not in use.**
- ****Notify Airport Manager****
- **It is required that the manager of Miami International at 305-876-7077 be notified at least 3 business days prior to the temporary structure being erected and again when the structure is removed from the site.**
- ****Notify ATCT Manager****
- **It is required that the manager of Miami International ATCT at 305-869-5411 be notified at least 2 hours prior to the temporary structure being erected and again when the structure is removed from the site.**



Survey Accuracy Codes

Accuracy Codes for Aeronautical Studies

If a survey is required for us to precisely locate a structure, a registered Surveyor must provide the location in Latitude and Longitude in accordance with the North American Datum of 1983 (NAD 83). The survey must include the exact coordinates (in Degrees, Minutes, Seconds and Hundredths of a second), along with the elevation of the highest terrain at the base of the structure, stated in feet Above Mean Sea Level (AMSL).

HORIZONTAL Accuracy Codes:

<u>Code</u>	<u>Tolerance</u>
1	20 Feet / 6 Meters
2	50 Feet / 15 Meters
3	100 Feet / 30 Meters
4	250 Feet / 75 Meters

VERTICAL Accuracy Codes:

<u>Code</u>	<u>Tolerance</u>
A	3 Feet / 1 Meter
B	10 Feet / 3 Meters
C	20 Feet / 6 Meters
D	50 Feet / 15 Meters

Example on Back



Survey Accuracy Codes Page 2

Example: If a "2C accuracy" survey is required, the surveyor must provide the location coordinates to an accuracy of 50 Feet (or 15 Meters) Horizontally and site Elevation to an accuracy of 20 Feet (or 6 Meters) Vertically.

If your surveyor needs a format to follow, they may use something similar to the following:

Re: (Company Site Name and or Site ID),

Located (in/near) City Name State

I certify that the above site is at latitude _____(N) and longitude _____(W) and that the site elevation is _____ feet AMSL. These coordinates are accurate to within \pm _____ feet horizontally; and the elevation is accurate to within \pm _____ feet vertically. The horizontal datum (coordinates) are in terms of the North American Datum of 1983 (NAD 83) and are expressed as degrees, minutes and seconds, to the nearest hundredth of a second. The vertical datum (heights) are in terms of the National Geodetic Vertical Datum of 1929 and are determined to the nearest foot.

_____ (Signature and date)

(((The Surveyor's Seal must be affixed and readable, for this to be a valid Survey)))

Professional Surveyor No. _____

If you have any questions, call your Specialist or Technician.

Specialist - Earl P. Newalu Jr. @ 404-305-5592



Thank You

- **Questions and Answers**
- **Any further questions concerning any structure (temporary, permanent, cranes, natural, or manmade) in Miami-Dade County please call: Jose A. Ramos, Chief of Aviation Planning at 305-876-8080.**

