

**AERONAUTICS COMMISSION**

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STATE OF MICHIGAN



RICK SNYDER GOVERNOR

**Michigan Department of Transportation**

2700 Port Lansing Road, Lansing, MI 48906-2160

Phone: (517) 335-9283 Fax No.: (517) 321-6422

Kirk T. Steudle

**Notice**

Sep. 5, 2013

Ann Arbor Municipal Airport  
Matthew Kulhanek  
801 Airport Drive  
Ann Arbor, MI 48107-8647

RE: FAA Airspace Case #: **2013-WTE-5949-OE**

The Michigan Department of Transportation, Office of Aeronautics, has received an application for a permit to erect or modify a structure in the vicinity of your airport. The tall structure proposal is described in the enclosed Obstruction Evaluation (O/E) study, which was received from the FAA. The O/E study contains information taken from the proponent's filing of an FAA Form 7460-1, 'Notice of Proposed Construction or Alteration.' The purpose of this mailing is to apprise you of the proposal, and does not require action on your part.

Questions regarding this matter may be directed to:

Linn P. Smith  
(517) 335-9949  
Michigan Department of Transportation  
Office of Aeronautics  
2700 Port Lansing Road  
Lansing, MI 48906-2160

Federal Aviation Administration  
Great Lakes Region  
Air Traffic Division, AGL-520  
2300 E. Devon Ave  
Des Plaines, IL 60018  
(517) 335-9949

Sincerely,

A handwritten signature in cursive script that reads 'Linn P. Smith'.

Linn P. Smith  
Airspace & Airport Zoning Specialist  
Office of Aeronautics

Enclosure

cc: file (26459)

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September 5, 2013

Brian Steglitz  
City of Ann Arbor  
919 Sunset Rd.  
Ann Arbor, MI 48103

Re: The Bureau of Aeronautics' review of the following proposal:

FAA Airspace Case #: **2013-WTE-5949-OE**  
Description: **Wind Turbine**  
Height Above Ground: **171**  
Overall Height: **1071**  
Geographic Coordinates: **Lat: 42d15m39.43sN Lon: 83d45m15.03sW**

Michigan's Tall Structure Act (Act 259, P.S. 1959, as amended by Act 296 P.A. 1986), places authority for review of construction proposals which may affect Michigan airspace with the Michigan Aeronautics Commission (MAC). The Michigan Aeronautics Commission has delegated its authority for airspace reviews and approvals to the Michigan Department of Transportation's Bureau of Aeronautics and Freight Services.

After the Bureau's review of the study listed above, the Permit has been denied because of the following findings:

We have not received a completed application and paid invoice. The application package is attached. Preliminary review indicates that the proposed structure may be a violation of the Michigan Tall Structures Act at any height exceeding 1056' above mean sea level. Furthermore, a full review of the FAA's determination will be required as part of a full aeronautical study.

I can be contacted at telephone number (517) 335-9949 or e-mail address [SmithL50@michigan.gov](mailto:SmithL50@michigan.gov) if you have any questions or comments.

CC: file (26459)

A handwritten signature in black ink that reads 'Linn P. Smith'.

Linn P. Smith  
Airspace & Airport Zoning Specialist



# APPLICATION FOR MICHIGAN TALL STRUCTURE PERMIT

Michigan Office of Aeronautics

2700 Port Lansing Road  
Lansing, MI 48906-2160

Phone: (517) 335-9949

Fax:

Application ID: **26459**

FAA Airspace #:

**2013-WTE-5949-OE**

## A. APPLICANT

### 1. Proponent

Company: City of Ann Arbor  
Address: 919 Sunset Rd.  
  
Ann Arbor, MI 48103  
Phone: 734-994-2840  
Fax:  
Attention: Brian Steglitz

### 2. Proponent's Representative

Company: DOE  
Address: 1617 Cole Blvd.  
  
Lakewood, CO 80401  
Phone: 720-356-1361  
Fax:  
Attention: Kelly Daigle

## B. TYPE OF STRUCTURE

3. Type  New Construction  Alteration  Existing

4. Duration  Permanent  Temporary  
If temporary, expected duration of structure:

5. Work Schedule Dates Begin Date: Ending Date:

### 6. Nature and Complete Description of Structure (Type of material, obstruction lighting and painting, and any special marking):

Wind Turbine The U.S. Dept of Energy (DOE) is proposing to provide federal funding to the City of Ann Arbor to select, purchase and install one (1) wind turbine. This wind turbine project would assist the City of Ann Arbor in meeting its Green Energy Challenge goals by

## C. LOCATION INFORMATION

7. Latitude  
42d15m39.43sN

8. Longitude  
83d45m15.03sW

9. Nearest City: Ann Arbor  
Dist & Direction to City:

10. Nearest Public Use Airport  
Airport / City: Ann Arbor Muni, Ann Arbor  
Distance & Direction to Arpt: 14,030' @ 350^

### 11. Location Description:

12. Height of Structure  
a. Site Elev: ft. (MSL)..... 900  
b. Structure Height: ft (AGL). 171  
c. Overall Hght: ft (MSL)..... 1071

## D. GENERAL INFORMATION

13. If this application is for a side mount antenna of an existing tower, please provide the previous study number, the date the tower was constructed and the height at which you will be side mounting.

14. If this application is being submitted to register an existing tower or alter an existing tower, please provide the previous study number, the dates the tower was constructed and describe the proposed alteration.

Invoice: **791** Amt: **\$150** Inv Date 9/5/2013 *Note: Invoice Amount covers all Notices with the same Invoice Number.*  
*Invoice for 1 Wind Turbine notice(s) with max height of 171*

CERTIFICATION: I hereby certify that all of the above statements made by me are true, complete and correct to the best of my knowledge and belief.

Name and Title:

Signature:

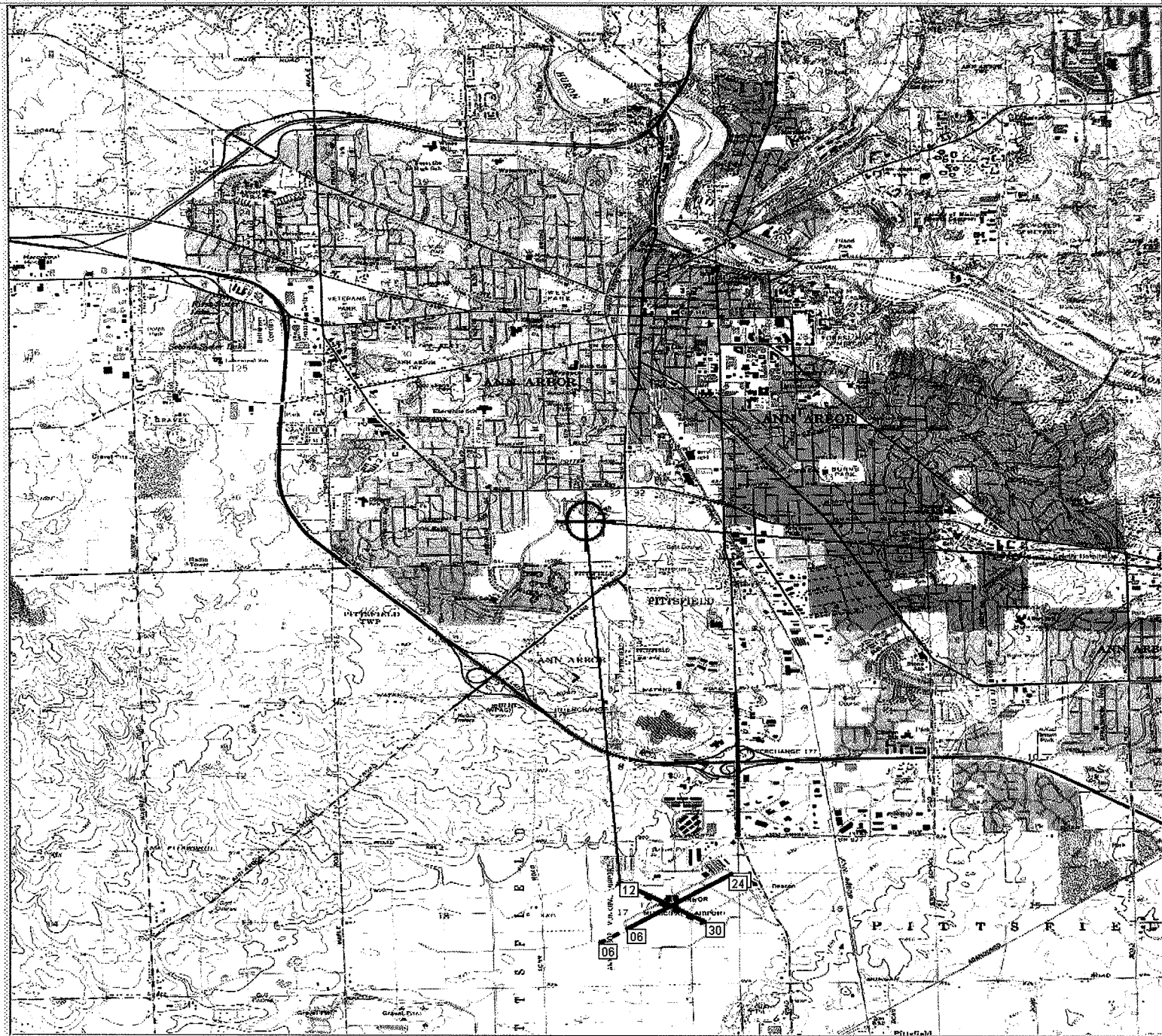
Payment must be submitted with the application. Make checks payable to the State of Michigan.  
To ensure expeditious processing please return the application and payment within 5 business days from receipt of this letter.

Target OE Case Info

ASN#: 2013-WTE-5949-OE  
 (NAD83) Lat: 42-15-39.43 N  
 (NAD83) Lon: 83-45-15.03 W  
 SE: 900  
 AGL: 171  
 AMSL: 1071

- Layers Filters Features Mouse Over
- Maps
  - Boundaries
  - Existing Power Towers/Lines (NGA)
  - Traffic Patterns
  - Part 77 Notice
  - Part 77 Civil
  - Part 77 Military
  - Design Surfaces
  - Line of Sight
  - SUA
  - MTR
  - ORS
  - Runways
  - Airports
  - Heliports
  - Laser Operation Zones
  - NR Cases
  - NRA Cases
  - OE Cases
  - OE Cases (MaL Overlay)
  - Helicopter Routes
  - Controlled Airspaces
  - Local Zoning
  - MVAs
  - MIAs

Refresh



st imane update: 8:12 AM

(NAD83): 42-17-48.6930N / 083-46-13.1469W

# 7460 Structure Notice Analysis Results with Facility Details

9/5/2013

FAA Airspace #: **2013-WTE-5949-OE** Completed?: No

ID: **26459**

Notice Date: Entered: 8/30/2013

7460 Notice Status: **Waiting Appr**

Permit Proc Comments:

Staff Remarks:

Type Notices Sent: Tower

Notices MId: 9/5/2013

Actual Structure: Proposed

Zoning Status: Not Required

Mrkg/Lghtg Requ:

Prof Marking/Lighting: White Paint/Synchronizes Red lgt

**Location of Study Point**

9. Latitude 42d15m39.43sN  
 10. Longitude 83d45m15.03sW  
 12. Nearest City: Ann Arbor  
 13. Nearest Public Use Airport (according to application)  
 Ann Arbor Muni, Ann Arbor  
 14/15. Distance & Direction to Arpt: 14,030'@350^  
 Prop.: City of Ann Arbor  
 Brian Steglitz  
 Repr: DOE  
 Kelly Daigle

**Height of Structure**

16. Site Elev: ft. (MSL)..... **900**  
 17. Structure Height: ft (AGL)... **171**  
 18. Overall Hght: ft (MSL)..... **1071**

**Type of Structure**

3. Type  New Construction  Alteration  Existing  
 4. Duration  Permanent  Temporary  
 5. Work Schedule Dates Begin Date:  
 6. Structure Type: Wind Turbine

**Analysis Results**

Calc Date	StSite	ID	AptLicense	End/Status	AlongCL	Offset	Permit Requ?	Results	Allowable MSL	Radial Dist	Remarks	User
9/5/2013	81001	ARB	Licensed	12 E	7733.2	10696.6	Requ (>320	Under Conical Surface (	1153	13199.2		
9/5/2013	81001	ARB	Licensed	24 E	4207.8	-12721	Requ (>320	Under Conical Surface (	1155.7	13337.3		
9/5/2013	81001	ARB	Licensed	24 P	4358	-12721	Requ (>320	Penetrates Conical Surf	1056.7	13383		
9/5/2013	81018	6MI5	Licensed	H1 E	0	0	Not Requ		2263	10968.2		
9/5/2013	81019	MI14	Licensed	H1 E	0	0	Not Requ		2285.2	12041.5		
9/5/2013	81020	MI32	Licensed	H1 E	0	0	Not Requ		2241.8	11518.1		
9/5/2013	81029		Licensed	H1 E	0	0	? helipad el			10519		

**Airports in the Vicinity**

*All Aviation Facilities, except heliports, within evaluation distance of: (ft) 42240*  
 (Distance measured to facility's airport reference point. TS lat long coordinates were used if available, otherwise the 5010 coordinates were used. ONLY runways for facilities that are licensed or have a pending license were evaluated. The other airports are included here for information only.)

**Licensed or Pending**

Dist (ft)	St Site	FAA Site	Assoc City	License Status/Category	TS Apt Elev	Max Rwy	FAA 5010 use/owner
14030	AIRPORT	81001	ARB	Ann Arbor	Licensed	General Utility	<input type="checkbox"/> Zoning 839 4299.9 Pu Pu

**Helipads in the Vicinity**

**Details of Runways Remaining in the Analysis**