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Shepherdsville, KY 40165-0369
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November 19, 2019

VIA FEDEX

Bourbon County Joint Planning Commission
Attn: Andrea Pompei Lacy
525 High Street
Paris, KY 40361

RE: Supplemental Filings
Application to Construct a Wireless Communications Facility
Location: Steele Ford Road, Paris, KY 40361
Applicant: New Cingular Wireless, PCS, LLC, d/b/a AT&T Mobility
Site Name: Ruddles Mill

Dear Commission Members:

The following enclosed documents are provided as a supplement to the filed Uniform Application in connection with the subject case:

1. A Fall Zone Letter signed by an engineer licensed in the state of Kentucky, stating that the tower's design effectively results in a zero-radius fall zone at ground level.
2. Documentation confirming that notice to the Federal Aviation Administration is not required for this site.
3. Documentation confirming that a Kentucky Airport Zoning Commission Permit is not required for this site.
4. Letter from Michael Lewis, AT&T Mobility

Please file this correspondence and attachments in the administrative case file for the application. Thank you for your assistance with this matter.

Sincerely,

A handwritten signature in blue ink that reads "David A. Pike". The signature is written in a cursive style with a prominent loop at the end of the last name.

David A. Pike
Attorney for Applicants

Enclosures

October 11, 2019

Michelle Ward
AT&T
534 Armory Place, 4th Floor
Louisville, KY 40202

RE: Proposed 195' Monopole for Ruddles Mill, KY

Dear Ms. Ward,

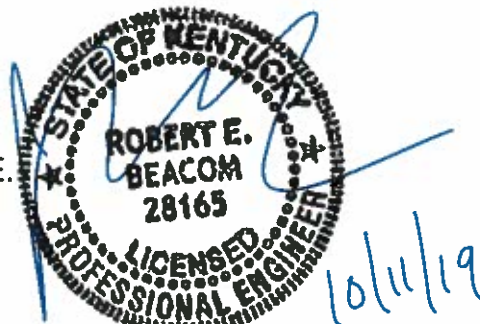
Upon receipt of order, we propose to design and supply the above referenced Sabre monopole for an Ultimate Wind Speed of 106 mph with no ice and 30 mph with 1.5" ice, Structure Class II, Exposure Category C, and Topographic Category 1, in accordance with the Telecommunications Industry Association Standard ANSI/TIA-222-G, "Structural Standard for Antenna Supporting Structures and Antennas".

When designed according to this standard, the wind pressures and steel strength capacities include several safety factors, resulting in an overall minimum safety factor of 25%. Therefore, it is highly unlikely that the monopole will fail structurally in a wind event where the design wind speed is exceeded within the range of the built-in safety factors.

Should the wind speed increase beyond the capacity of the built-in safety factors, to the point of failure of one or more structural elements, the most likely location of the failure would be within the monopole shaft, above the base plate. Assuming that the wind pressure profile is similar to that used to design the monopole, the monopole will buckle at the location of the highest combined stress ratio within the monopole shaft. This is likely to result in the portion of the monopole above leaning over and remaining in a permanently deformed condition. ***Please note that this letter only applies to the above referenced monopole designed and manufactured by Sabre Towers & Poles.*** This would effectively result in a "zero radius fall zone" at ground level.

Sincerely,

Robert E. Beacom, P.E., S.E.
Engineering Supervisor



* Federal Airways & Airspace *
* Summary Report: New Construction *
* Antenna Structure *

Airspace User: Not Identified

File: DBD_RUDDLES_MILL

Location: Millersburg, KY

Latitude: 38°-19'-15.1" Longitude: 84°-10'-50.7"

SITE ELEVATION AMSL.....871 ft.
STRUCTURE HEIGHT.....199 ft.
OVERALL HEIGHT AMSL.....1070 ft.
SURVEY HEIGHT AMSL.....1070 ft.

NOTICE CRITERIA

FAR 77.9(a): NNR (DNE 200 ft AGL)
FAR 77.9(b): NNR (DNE Notice Slope)
FAR 77.9(c): NNR (Not a Traverse Way)
FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for 018
FAR 77.9: NNR FAR 77.9 IFR Straight-In Notice Criteria for 27K
FAR 77.9(d): NNR (Off Airport Construction)

NR = Notice Required

NNR = Notice Not Required

PNR = Possible Notice Required (depends upon actual IFR procedure)
For new construction review Air Navigation Facilities at bottom
of this report.

Notice to the FAA is not required at the analyzed location and height for
slope, height or Straight-In procedures. Please review the 'Air Navigation'
section for notice requirements for offset IFR procedures and EMI.

OBSTRUCTION STANDARDS

FAR 77.17(a) (1): DNE 499 ft AGL
FAR 77.17(a) (2): DNE - Airport Surface
FAR 77.19(a): DNE - Horizontal Surface
FAR 77.19(b): DNE - Conical Surface
FAR 77.19(c): DNE - Primary Surface
FAR 77.19(d): DNE - Approach Surface
FAR 77.19(e): DNE - Approach Transitional Surface
FAR 77.19(e): DNE - Abeam Transitional Surface

VFR TRAFFIC PATTERN AIRSPACE FOR: 018: CYNTHIANA-HARRISON COUNTY

Type: A RD: 31868.5 RE: 720
FAR 77.17(a) (1): DNE
FAR 77.17(a) (2): DNE - Height No Greater Than 200 feet AGL.
VFR Horizontal Surface: DNE
VFR Conical Surface: DNE
VFR Primary Surface: DNE
VFR Approach Surface: DNE
VFR Transitional Surface: DNE

VFR TRAFFIC PATTERN AIRSPACE FOR: 27K: GEORGETOWN-SCOTT COUNTY RGNL

Type: A RD: 76937.06 RE: 947
FAR 77.17(a) (1): DNE

FAR 77.17(a)(2): DNE - Greater Than 5.99 NM.
 VFR Horizontal Surface: DNE
 VFR Conical Surface: DNE
 VFR Primary Surface: DNE
 VFR Approach Surface: DNE
 VFR Transitional Surface: DNE

TERPS DEPARTURE PROCEDURE (FAA Order 8260.3, Volume 4)
 FAR 77.17(a)(3) Departure Surface Criteria (40:1)
 DNE Departure Surface

MINIMUM OBSTACLE CLEARANCE ALTITUDE (MOCA)
 FAR 77.17(a)(4) MOCA Altitude Enroute Criteria
 The Maximum Height Permitted is 1800 ft AMSL

PRIVATE LANDING FACILITIES

FACIL	BEARING	RANGE	DELTA ARP	FAA
IDENT TYP NAME	To FACIL	IN NM	ELEVATION	IFR
7KY1 HEL NICHOLAS COUNTY HOSPITAL	92.9	5.71	+240	
No Impact to Private Landing Facility Structure is beyond notice limit by 29695 feet.				
63KY HEL HARRISON MEMORIAL HOSPITAL	308.84	5.89	+200	
No Impact to Private Landing Facility Structure is beyond notice limit by 30788 feet.				

AIR NAVIGATION ELECTRONIC FACILITIES

FAC	ST	DIST	DELTA	GRND	
IDNT	TYPE	AT	FREQ VECTOR (ft)	ELEVA ST LOCATION	ANGLE
FLM	VOR/DME	I	117.0 342.78 125293	+261 KY FALMOUTH	.12
HYK	VOR/DME	I	112.6 212.93 153977	+35 KY LEXINGTON	.01
LEX	RADAR	ON	2750. 228.97 161603	+10 KY BLUE GRASS	0.00

CFR Title 47, §1.30000-§1.30004

AM STUDY NOT REQUIRED: Structure is not near a FCC licensed AM station.
 Movement Method Proof as specified in §73.151(c) is not required.
 Please review 'AM Station Report' for details.

Nearest AM Station: WYGH @ 12233 meters.

Airspace® Summary Version 19.3.528

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04-08-2019
 07:32:48

Cody Knox

From: Houlihan, John F (KYTC) <John.Houlihan@ky.gov>
Sent: Tuesday, April 23, 2019 10:09 AM
To: Cody Knox
Subject: [External] RE: AT&T KAZC permit determination - Ruddles Mill

Attention: This email was sent from someone outside of MasTec. Please use caution when opening attachments or clicking on links in emails which are unexpected or arrive from unknown senders.

No permit is required from the KAZC. Thank you

Kentucky Airport Zoning Commission (KAZC)
John Houlihan, Administrator
Department of Highways, District Six
421 Buttermilk Pike
Covington, KY 41017
Office 859-341-2700, Office 1-800-928-2700, Desk 859-341-2707 Ext. 277, Cell 502-330-3955

KAZC webpage: <https://transportation.ky.gov/Aviation/Pages/airportzoning.aspx>

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From: Cody Knox <Cody.Knox@mastec.com>
Sent: Tuesday, April 23, 2019 10:59 AM
To: Houlihan, John F (KYTC) <John.Houlihan@ky.gov>
Cc: Paige Blose <Paige.Blose@mastec.com>
Subject: AT&T KAZC permit determination - Ruddles Mill

John,
AT&T is proposing to construct a new tower per the specifications below. Can you confirm if a KAZC permit is required?

Project Name: Ruddles Mill
Latitude: 38 19 15.1
Longitude: 84 10 50.7
GE: 871'
Tower height including lightning arrestor: 199'
Overall height: 1,070'

Thank you,

Cody Knox

SAQ Project Manager II – TN/KY NSB



1975 Joe B Jackson Parkway

Murfreesboro, TN 37127

Email: cody.knox@mastec.com

Mobile: (318) 355-6599



November 19, 2019

VIA FEDEX

Bourbon County Joint Planning Commission
Attn: Andrea Pompei Lacy
525 High Street
Paris, KY 40361

RE: Radio Frequency Engineering Statement
Application to Construct a Wireless Communications Facility
Location: Steele Ford Road, Paris, KY 40361
Applicant: New Cingular Wireless, PCS, LLC, d/b/a AT&T Mobility
Site Name: Ruddles Mill

Dear Commission Members:

I am providing this letter in reference to the above-referenced Application. The Radio Frequency Engineering Statement submitted as Exhibit N to the subject Uniform Application was prepared by my colleague, Mike Salvo, and by this letter I hereby state that I have reviewed said Statement and adopt the Statement's content and findings as my testimony in this matter.

Sincerely,

A handwritten signature in blue ink, appearing to read "Michael Lewis", with a long horizontal line extending to the right.

Michael Lewis
RAN Engineer
AT&T Mobility