



T-O ENGINEERS

August 4, 2016

David Eaton
BMA Towers, LLC
3005 W. Crescent Rim Drive, Suite #203
Boise, Idaho 83706

RE: New Meadows Cell Tower Analysis

Dear Mr. Eaton:

Following the completion of a cell tower site study near New Meadows, Idaho, the tower, as noted in the attached exhibits, will not penetrate the New Meadows Airport Part 77 Airspace and the Federal Aviation Administration (FAA) has determined that the tower does not require obstruction lighting or markings.

The New Meadows Cell Tower site study analyzed the proposed cell tower site based on the location and height provided in relation to the New Meadows Airport. This data was utilized to calculate any penetrations to the airport's Part 77 Airspace Surface. Located approximately 3,270 feet southwest of the runway centerline, the proposed cell tower site is not located within airport approach or departure surfaces but is within the horizontal limits of the airport's Horizontal Surface. Based on the airport's elevation of 3,908 feet above mean sea level (AMSL), the Part 77 Airspace elevation at the cell tower site was calculated at 4,058 feet AMSL. Based on an approximate cell tower site elevation of 3,869 feet AMSL and a total structure height of 182 feet, the height of the tower will not exceed 4,051 feet AMSL and therefore does not penetrate the airport's airspace.

The study then conducted a review of the Federal Aviation Administration Advisory Circular 7460-1L, *Obstruction Marking and Lighting* to determine the requirements for obstruction lighting and/or markings for the proposed structure. Section 2.1 of the Advisory Circular states that a permanent structure that exceeds 200 feet above ground elevation or penetrates the Part 77 airspace surface should be marked or lighted however the FAA may recommend marking and lighting for a structure below these limits based on particular location or potential hazards.

For this determination, a Form 7460-1, *Notice of Proposed Construction or Alteration*, was submitted to the FAA for their use in conducting an aeronautical study of the tower and impacts to the airspace.. Following the completion of Aeronautical Study No. 2016-ANM-2288-OE for the site, see attached, the FAA issued a determination of no hazard to air navigation, stating that marking or lighting are not necessary on the cell tower for aviation safety.

If it is determined, during future coordination, that the tower height, location or site elevation vary from those noted in this analysis, a revised Form 7460-1 will need to be submitted to the FAA for additional analysis. If you have any questions or comments, please contact me at your convenience.

Sincerely,

A handwritten signature in black ink, appearing to read 'Alton W. Dail III'.

Alton W. Dail III, P.E.
Aviation Project Manager
T-O Engineers, Inc.

Enclosure: New Meadows Airport Part 77 Airspace Exhibit
FAA Aeronautical Study Determination

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