



Department of Transportation  
Division of Secretariat  
Office of Air, Rail & Transit  
700 East Broadway Avenue  
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TO: South Dakota Aeronautics Commission  
FROM: Jack Dokken, Office of Aeronautics  
DATE: February 19, 2019  
SUBJECT: Aeronautical Hazard Application

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**Permit #'s 2018-20198 Highmore, SD**  
FAA Aeronautical Study 2018-AGL-20198-OE

Mid-Dakota Rural Water System is proposing to construct a 190 ft high concrete and steel 1.5-million-gallon water tower approximately 2.15 miles southwest of the Highmore Airport (9D0). This water tower will be right next to an existing water tower of the same height. The FAA has determined:

- ◆ This proposal does not exceed FAA obstruction standards and would not be a hazard to air navigation.
- ◆ Aeronautical Study 2018-AGL-20198-OE must be marked and lit per FAA requirements.

The department is recommending Commission approval.

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SD EForm - 0941 V3

APPLICATION FOR LOCATION OF AERONAUTICAL HAZARD

State Permit #: 2018-20198

South Dakota Aeronautics Commission
Becker-Hansen Building, 700 E Broadway Avenue
Pierre, South Dakota 57501-9989
Air, Rail and Transit (605)773-3574

FAA Airspace #: 2018-AGL-20198-OE

A. APPLICANT

Proponent: Proponent's Representative:
Company: Mid-Dakota Rural Water System Company: Bartlett & West
Address: 608 W. 14th St. PO Box 318 Address: 3456 E. Century Ave
Miller SD 57362 Bismarck ND 58503
Phone: 605-853-3159 Phone: 701-258-1110
Fax: Attention: Scott Gross Attention: Nathan Danner

B. TYPE OF STRUCTURE

Type: [X] New Construction [ ] Alteration [ ] Existing
Work Schedule Dates:
Begin Date: May 2019
End Date: November 2020

Nature and Complete Description of Structure

(Type of material, obstruction lighting and painting and any special marking):

The structure will be a composite tower composed of a concrete pedestal with a 1.5 million gallon steel tank. The structure will be similar to the existing Highmore Water Tower at the location, in regards to size, height, exterior painting and lighting. The structure will have a L-810 Double Obstruction light on the top and 4 additional obstruction lights on the sides.

C. LOCATION INFORMATION

Latitude: N44° 31' 40.02" Longitude: W99° 29' 35.99" Nearest City: Highmore
Dist & Direction to City: 2.5 Miles west of Highmore

Nearest Public Use Airport: Airport/City: Highmore
Distance & Directions to Airport: Airport is 11,425' NE of the Tower
Location Description: The tower will be built on the same site as the existing Highmore Water Tower. The site is just north of SD Highway 14 and 2.5 Miles west of SD Highway 47.

Height of Structure:
a. Site Elev. ft. (MSL)..... 1886.8'
b. Structure Height: ft. (AGL).. 190'
c. Overall Height: ft. (MSL)..... 2076.8'

Nearest State Hwy & Distance to Hwy Centerline:
Highway 14 is just south of the tower. 231' from Center of tower to Highway 14 CL.

THE UNDERSIGNED HEREBY AGREES TO SUCH FURTHER REQUIREMENTS AS THE STATE AERONAUTICS COMMISSION MAY PRESCRIBE RELATING TO MARKING, LIGHTING AND SAFETY TO THE FLYING PUBLIC AS MAY FROM TIME TO TIME BE ADOPTED BY THE COMMISSION FOR TOWERS 499' AND TALLER.

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.

Date: 2-19-19 Name and Title: Lorin Johnson Operations Manager Signature: [Handwritten Signature]

