



## STUDY FOR

Buell Consulting, Inc.

Jeppesen Study Number:	<u>BUE 54170-06</u>
Date:	<u>February 17, 2006</u>
Site ID/Name:	<u>ALT #2, SD GOLD COMPANY LAND/RCYC Rapid Mall</u>

Structure Location: Rapid City, SD

Latitude:	44°	06'	47.00"
Longitude:	103°	13'	12.00"
	NAD 83		

Site Elevation:	3,367'	AMSL
Tower Height:	120'	AGL
Overall Height:	3,487'	AMSL

This study is conducted in accordance with the Federal Aviation Regulations (FAR) Part 77 and the Federal Communications Commission (FCC) Rules Part 17.

This report and the findings, opinions and recommendations expressed herein are intended for the exclusive use of Buell Consulting, Inc. in making appropriate regulatory filings and may not be reproduced by other parties in any form or manner.

**IMPACT:**

The study site is located 30,953' or 5.09 NM on a True Bearing of 237.39° from the approach end of Runway 13 at Ellsworth AFB, the nearest landing surface for regulatory compliance purposes. The study site is located 32,732' or 5.39 NM on a True Bearing of 249.20° from the airport reference point (ARP) of this Department of Defense (DoD), instrumented airport. The proposed 120' AGL (3,487' AMSL) structure located in the study site would not adversely affect VFR flight operations or procedures at this airport.

The proposed 120' AGL (3,487' AMSL) structure located at the study site would not adversely affect VFR or IFR terminal flight operations or procedures established at area airports.

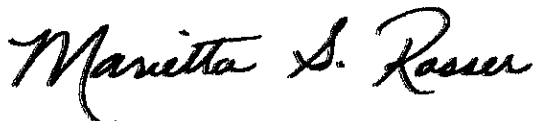
The proposed 120' AGL (3,487' AMSL) structure, located at the study site would not adversely affect VFR or IFR en route flight operations or procedures in the area.

At a height of 120' AGL (3,487' AMSL), the proposed structure located at the study site would not exceed any FAR Part 77 or FCC Part 17 notice requirement surface. Therefore, FAA Notice of Proposed Construction is not required. However, if FAA Notice is provided, the FAA most likely would approve the structure ~~without conducting an extended study~~.

Pursuant to your request, Jeppesen has prepared an ASAC Opinion Letter addressing this site. This letter is enclosed.

- **FAA Notice is not required. Maximum no notice height is 200' AGL (3,567' AMSL).**
- **Marking and lighting is not required. Maximum no marking and lighting height is 200' AGL (3,567' AMSL).**
- **Extended study is not required.**
- **Structure is not within AM Broadcast Station interference radius.**
- **Structure would not affect flight operations at a private use airport or heliport.**

Should you have any questions regarding this study, please feel free to contact our office at (678) 924-8088.



Marietta S. Rosser

Airspace Technician