



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

Western Service Center

1601 Lind Ave SW  
Renton, WA 98057

**RECEIVED**

OCT 21 2015

Ravalli County Commissioners

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**OCT 14 2015**

Ravalli County  
215 S. 4th Street, Suite A  
Hamilton, MT 59840  
Attn: Ms. Page Gough

Re: Ground Inspection Report– 6S5 Hamilton, MT AWOS

Dear Ms. Gough:

Enclosed is a copy of the annual non-federal inspection report per the annual revalidation plan for the Ravalli County, Automated Weather Observing System (AWOS) ground inspection completed on October 5, 2015.

**General Information - AWOS**

1. Facility Location -----Hamilton, MT
2. Assigned Frequencies
  - i. VHF 119.825 MHz
  - ii. UHF 467.925 MHz
3. Assigned Identifier-----6S5
4. Facility Owner-----Ravalli County
5. Owner's Representative-----Page Gough
6. Findings/Remarks – Please see attached documentation.

**Equipment Performance:**

This verifies ground inspection for the above named facility is found acceptable for use and all parameters were found within tolerance. This verification is not an automatic approval of any specific air operations or procedure.

**Recommendation:**

Notification is required within 10 business days regarding any changes in equipment, maintenance personnel, contact names and addresses to your operations and maintenance manual.

If you have any questions or updates to sponsors please contact Paul Humphrey, Non-Federal Facility Inspection Lead at 425-203-4335/ [Paul.Humphrey@faa.gov](mailto:Paul.Humphrey@faa.gov). We look forward to working with you next year.

Sincerely,

A handwritten signature in black ink, appearing to read "Scott Leety". The signature is written in a cursive style with some loops and flourishes.

Scott Leety  
Team Manager  
Technical Evaluations

Enclosure

cc:  
Paul Humphrey

\*\*\* = ADVISORY ONLY

Yellow log sheets sent in by Airport Manager Page Gough

AWOS GROUND INSPECTION FORM																														
IDENT 6S5	CITY HAMILTON	STATE MT	MANUFACTURER & MODEL DIGIWX AWOS																											
<b>GENERAL</b>																														
<b>FCC LICENSE</b>																														
Expiration Date VHF 6/25/2018	Call WQIZ694	Frequency 119.825 MHz	Power 2.5 W	Posted? Y																										
UHF 10/25/2024	WPQG486	467.925 MHz	2.0 W	Y																										
<b>DOCUMENTATION</b>					YES	NO																								
Operations and Maintenance Manual					<input checked="" type="checkbox"/>	<input type="checkbox"/>																								
198, -17, (or equivalent Manufacturer's Instruction Book) Initial Data at Site					<input checked="" type="checkbox"/>	<input type="checkbox"/>																								
Facility Log, FAA Form 6030-1 Satisfactorily Maintained					<input checked="" type="checkbox"/>	<input type="checkbox"/>																								
FAA Technical Performance Form 6000-8 (or Equivalent) Entries Complete					<input checked="" type="checkbox"/>	<input type="checkbox"/>																								
Service Interruptions Properly Coordinated					<input checked="" type="checkbox"/>	<input type="checkbox"/>																								
<b>EQUIPMENT PARAMETERS</b>																														
Altimeter Readings	Standard Barometric Pressure 26.417	CELL #1 26.413	CELL #2 26.419	Altimeter Setting 30.04 Calc Rptd																										
Temperature Standard *** Rptd	Dew Point Calc *** Rptd		Density Altitude Calc *** Rptd																											
Wind Speed Indication ***	Wind Direction Indication ***		North Alignment w/ benchmark ***																											
Visibility Std Meas Rptd Block 749 740.98	Humidity Standard ***		Ceiling ***																											
AWOS Test Equipment Annually Calibrated <b>SEE BELOW</b>	Remove Wind Sensor Input- Check for Missing Statement *** <input type="checkbox"/>		Remove Temperature Sensor Input- Check for Missing Statement *** <input type="checkbox"/>																											
Accuracy of Transmitted Statement GOOD	Telephone Number & Audio Quality (406) 375-9149, ext 3		Radio Audio Quality/Aircraft Check GOOD																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Frequency</th> <th>Power Fwd/Rev</th> <th>VSWR</th> <th>AM Mod /FM Dev</th> </tr> </thead> <tbody> <tr> <td>Transmitters:</td> <td>UHF DCP S/N = 12594</td> <td></td> <td></td> <td></td> </tr> <tr> <td>UHF DCP (OUT)</td> <td>467,850,200</td> <td>1.24</td> <td>1.21:1</td> <td>1.6 Khz</td> </tr> <tr> <td>UHF VDP (IN)</td> <td>467,925,200</td> <td>1.25</td> <td>1.21:1</td> <td>1.6 Khz</td> </tr> <tr> <td>VHF</td> <td>119,824,900</td> <td>2.41</td> <td>1.3:1</td> <td>82 %</td> </tr> </tbody> </table>							Frequency	Power Fwd/Rev	VSWR	AM Mod /FM Dev	Transmitters:	UHF DCP S/N = 12594				UHF DCP (OUT)	467,850,200	1.24	1.21:1	1.6 Khz	UHF VDP (IN)	467,925,200	1.25	1.21:1	1.6 Khz	VHF	119,824,900	2.41	1.3:1	82 %
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Test Equipment	Type	Calibration DUE Date	System	Pub Airport Elevation	3642																									
Temperature Standard	SEE OTHER TEST EQUIPMENT IN REMARKS		Clock?	BP Sensor Elevation	3640																									
Pressure Standard	MODEL 765	4/22/2016	N/A	Battery Back-Up?	Yes, 14.1 V																									
CSM/O-scope/Counter	HP8920B	3/18/2016		Grounding Tests?	UNKNOWN																									
Day/Night	T-Storm	Pres WX	dry	Physical	TS																									
Sensor? GOOD	Sensor? N/A	Sensor? wet	N/A	Security?	LOCKED																									
NADIN Interface Check (if present)		N/A		Temp?	N/A																									
Remarks:																														
Other test equipment: Bird Directional power sensor, Cal Due: 3/18/2016 Bird Model 5000EX Power Meter, Cal Due: 3/18/2016 Bird Elements: Cal Due: 3/18/2016																														
Non-Federal Technician STEVEN SMITH		Date 10/5/2015	FAA Inspector BILL EARHART		Date 10/5/2015																									