



National Transportation Safety Board Aviation Accident Data Summary

Location:	Sac City, IA	Accident Number:	CEN11CA065
Date & Time:	11/03/2010, 1700 CDT	Registration:	N475TW
Aircraft:	WELCH THOMAS RV9	Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

According to the pilot, the weather information he obtained en route indicated that the wind at his destination airport was from 300 degrees at 25 knots. The airplane encountered turbulence and wind gusts while on final approach and, despite the pilot's control inputs, the airplane impacted terrain off the right side of the runway. The wind reported 25 miles from the accident site, about 15 minutes after the accident, was from 310 degrees at 23 knots gusting to 33 knots. The wings, firewall, and fuselage sustained substantial damage.

Flight Events

Landing-flare/touchdown - Loss of control in flight

Landing-flare/touchdown - Collision with terr/obj (non-CFIT)

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The pilot's loss of directional control while landing with a gusting wind.

Findings

Aircraft-Aircraft oper/perf/capability-Performance/control parameters-Directional control-Not attained/maintained - C

Personnel issues-Task performance-Use of equip/info-Aircraft control-Pilot - C

Environmental issues-Conditions/weather/phenomena-Turbulence-(general)-Effect on operation

Pilot Information

Certificate:	Private	Age:	35
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	305 hours (Total, all aircraft), 90 hours (Total, this make and model), 240 hours (Pilot In Command, all aircraft), 70 hours (Last 90 days, all aircraft), 28 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	WELCH THOMAS	Registration:	N475TW
Model/Series:	RV9	Engines:	1 Reciprocating
Operator:	Micheal L. Harmon, Jr.	Engine Manufacturer:	NSI
Air Carrier Operating Certificate:	None	Engine Model/Series:	EJ25
Flight Conducted Under:	Part 91: General Aviation - Personal		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	CIN, 1204 ft msl	Weather Information Source:	Pilot
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	23 knots/ 33 knots, 310°
Temperature:	15°C / -13°C	Visibility	10 Miles
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Effingham, IL (1H2)	Destination:	Sac City, IA (SKI)

Airport Information

Airport:	Sac City Municipal (SKI)	Runway Surface Type:	Concrete
Runway Used:	32	Runway Surface Condition:	Dry
Runway Length/Width:	2350 ft / 60 ft		

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Pamela S Sullivan	Adopted Date:	04/12/2011
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=77773		

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