



National Transportation Safety Board

Aviation Accident Final Report

Location:	CHEYENNE, WY	Accident Number:	DEN85FA015
Date & Time:	10/20/1984, 1338 MDT	Registration:	N1597T
Aircraft:	CESSNA 414-8	Aircraft Damage:	Destroyed
Defining Event:		Injuries:	3 Serious, 1 None
Flight Conducted Under:		Part 91: General Aviation - Business	

Analysis

THE ACFT DEPARTED THE AIRPORT IN IFR CONDITIONS (SNOWING) & WAS OBSERVED STAGGERING INTO THE AIR. SHORTLY AFTER TAKEOFF THE ACFT STRUCK POWER LINES & CRASHED INTO HOMES IN A RESIDENTIAL AREA. INVESTIGATION REVEALED THAT THE ACFT HAD ACCUMULATED ICE & IN ADDITION WAS OVER CERTIFIED MAX GROSS WEIGHT. THERE WAS NO EVIDENCE OF AIRFRAME, FLT CONTROL OR ENGINE FAILURE/MALFUNCTION PRIOR TO IMPACT WITH THE POWER LINES.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be:

Findings

Occurrence #1: IN FLIGHT ENCOUNTER WITH WEATHER

Phase of Operation: TAKEOFF - ROLL/RUN

Findings

1. (F) WEATHER CONDITION - FOG
2. (F) WEATHER CONDITION - SNOW
3. (C) FLIGHT INTO KNOWN ADVERSE WEATHER - PERFORMED - PILOT IN COMMAND
4. (F) OVERCONFIDENCE IN PERSONAL ABILITY - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH OBJECT

Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

5. (F) OBJECT - WIRE,STATIC
6. (C) PROPER CLIMB RATE - NOT MAINTAINED - PILOT IN COMMAND
7. (F) AIRCRAFT WEIGHT AND BALANCE - EXCEEDED - PILOT IN COMMAND

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Factual Information

Pilot Information

Certificate:	Private	Age:	58, Male
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	Airplane	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	05/25/1983
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	13200 hours (Total, all aircraft), 12800 hours (Pilot In Command, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N1597T
Model/Series:	414-8 414-8	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	414-0377
Landing Gear Type:	Retractable - Tricycle	Seats:	7
Date/Type of Last Inspection:	07/09/1983, Annual	Certified Max Gross Wt.:	6825 lbs
Time Since Last Inspection:	0 Hours	Engines:	2 Reciprocating
Airframe Total Time:	18035 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, activated, did not aid in locating accident	Engine Model/Series:	IO-720-B1BD
Registered Owner:	METROPOLITAN INTL INVEST & SEC	Rated Power:	400 hp
Operator:	METROPOLITAN INTL INVEST & SEC	Operating Certificate(s) Held:	None
Operator Does Business As:	METROPOLITAN INTL INVEST & SEC	Operator Designator Code:	

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Day
Observation Facility, Elevation:	CYS, 6280 ft msl	Distance from Accident Site:	1 Nautical Miles
Observation Time:	1344 MDT	Direction from Accident Site:	280°
Lowest Cloud Condition:	Unknown / 800 ft agl	Visibility	5 Miles
Lowest Ceiling:	Overcast / 800 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	20°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	-5°C / -6°C
Precipitation and Obscuration:			
Departure Point:	CHEYENNE, WY (CYS)	Type of Flight Plan Filed:	IFR
Destination:	SALT LAKE CITY, UT (SLC)	Type of Clearance:	IFR
Departure Time:	0011	Type of Airspace:	Class D

Wreckage and Impact Information

Crew Injuries:	1 Serious	Aircraft Damage:	Destroyed
Passenger Injuries:	2 Serious, 1 None	Aircraft Fire:	On-Ground
Ground Injuries:	N/A	Aircraft Explosion:	On-Ground
Total Injuries:	3 Serious, 1 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	VERLIN B TRANTER	Report Date:
Additional Participating Persons:	WAYNE MCCANNON; BLOOMFIELD, CO CLIFTON PATTY; WICHITA, KS ROBERT LAPIERRE; WICHITA, KS	
Publish Date:		
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.ntsb.gov/pubdms/ .	

The National Transportation Safety Board (NTSB), established in 1967, is an independent federal agency mandated by Congress through the Independent Safety Board Act of 1974 to investigate transportation accidents, determine the probable causes of the accidents, issue safety recommendations, study transportation safety issues, and evaluate the safety effectiveness of government agencies involved in transportation. The NTSB makes public its actions and decisions through accident reports, safety studies, special investigation reports, safety recommendations, and statistical reviews.

The Independent Safety Board Act, as codified at 49 U.S.C. Section 1154(b), precludes the admission into evidence or use of any part of an NTSB report related to an incident or accident in a civil action for damages resulting from a matter mentioned in the report. A factual report that may be admissible under 49 U.S.C. § 1154(b) is available [here](#).