



# National Transportation Safety Board Aviation Accident Final Report

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

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## 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

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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
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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
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Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

## Factual Information

### Pilot Information

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

### Aircraft and Owner/Operator Information

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

## 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 <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .		

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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](#).