



National Transportation Safety Board Aviation Accident Data Summary

Location:	HURDLE MILLS, NC	Accident Number:	FTW90FA002
Date & Time:	10/01/1989, 2207 EDT	Registration:	N53CC
Aircraft:	CESSNA 550	Injuries:	2 Fatal
Flight Conducted Under:	Part 91: General Aviation - Business		

Analysis

DRG ARR, FLT WAS VCTRD FOR NDB RWY 6 APCH, & ADZD RALEIGH-DURHAM WX WAS 500' OVC, VIS 3 MI WITH FOG, WND FM 140 DEG AT 12 KTS, ALTM 30.01. AFTER CLNC FOR APCH, ACFT CROSSED FINAL APCH FIX (FAF) AT 2100' MSL. RADAR SVC WAS TRMTD & FREQ CHG WAS APPROVED. WHEN ACFT DID NOT ARR, SEARCH WAS INITIATED. WRECKAGE WAS FND ABT 2.5 MI SW OF RWY 6, WHERE ACFT HIT TREES & CRASHED. ELEV OF CRASH SITE WAS ABT 600' MSL. MDA FOR APCH WAS 1160' MSL (WITH LCL ALTM SETTING; 1260' WITH RALEIGH-DURHAM SETTING). EXAM REVEALED ACFT HIT TREES, WHILE ON RWY HDG IN WINGS LVL ATTITUDE; CONFIGURED FOR LNDG. NO PREIMPACT PART FAILURE/MALFUNCTION WAS FND. TOX CHECK OF PIC'S BLOOD SHOWED 0.10 MG/L OF DIAZEPAM & 0.09 MG/L OF NORDIAZEPAM. CHECK OF HIS URINE SHOWED METABOLITE OF MARIJUANA (11-NOR-DELTA-9-TETRAHYDROCANNABINOL-9-CARBOXYLIC ACID) AT LVL OF 0.117 MG/L. AFTER SURGERY FOR MALIGNANT LYMPHOMA (FEB 89), PIC WAS RESTORED TO FLT STATUS ON 8/9/89 & CLRD FOR PIC DUTY 1 WK LTR. HE CONTD FLYING THO HE RCVD MAINTENANCE CHEMOTHERAPY & ASSOCIATES NOTED THAT HE TIRED EASILY.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: IMPAIRMENT OF THE PILOT-IN-COMMAND (PIC) DUE TO DRUGS/MEDICATION, CHEMOTHERAPY AND FATIGUE; FAILURE OF THE PIC TO ASSURE THAT THE IFR (INSTRUMENT) APCH PROCEDURE WAS FOLLOWED; AND HIS FAILURE TO MAINTAIN THE MINIMUM DESCENT ALTITUDE (MDA). INADEQUATE SURVEILLANCE OF THE OPERATION BY COMPANY/OPERATOR/MANAGEMENT PERSONNEL WAS A RELATED FACTOR.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: APPROACH - FAF/OUTER MARKER TO THRESHOLD (IFR)

Findings

1. LIGHT CONDITION - DARK NIGHT
2. WEATHER CONDITION - LOW CEILING
3. WEATHER CONDITION - FOG
4. WEATHER CONDITION - BELOW APPROACH/LANDING MINIMUMS
5. (C) IFR PROCEDURE - NOT FOLLOWED - PILOT IN COMMAND
6. (C) IMPAIRMENT(DRUGS) - PILOT IN COMMAND
7. (C) FATIGUE - PILOT IN COMMAND
8. (F) INADEQUATE SURVEILLANCE OF OPERATION - COMPANY/OPERATOR MGMT
9. OBJECT - TREE(S)

10. (C) MINIMUM DESCENT ALTITUDE - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: IN FLIGHT COLLISION WITH TERRAIN/WATER

Phase of Operation: DESCENT - UNCONTROLLED

Pilot Information

Certificate:	Airline Transport; Flight Instructor	Age:	35
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	Airplane Multi-engine; Airplane Single-engine; Instrument Airplane
Flight Time:	7986 hours (Total, all aircraft), 2643 hours (Total, this make and model), 6236 hours (Pilot In Command, all aircraft), 65 hours (Last 90 days, all aircraft), 58 hours (Last 30 days, all aircraft), 4 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N53CC
Model/Series:	550 550	Engines:	2 Turbo Fan
Operator:	GTE SOUTH, INC.	Engine Manufacturer:	P&W
Operating Certificate(s) Held:	None	Engine Model/Series:	JT15D-4
Flight Conducted Under:	Part 91: General Aviation - Business		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Instrument Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	RDU, 528 ft msl	Weather Information Source:	Weather Observation Facility
Lowest Ceiling:	Overcast / 500 ft agl	Wind Speed/Gusts, Direction:	8 knots / , 140°
Temperature:	20° C	Visibility	3 Miles
Precipitation and Obscuration:			
Departure Point:	TAMPA, FL (TPA)	Destination:	ROXBORO, NC (TDF)

Airport Information

Airport:	PERSON COUNTY (TDF)	Runway Surface Type:	Asphalt
Runway Used:	6	Runway Surface Condition:	Wet
Runway Length/Width:	5000 ft / 100 ft		

Wreckage and Impact Information

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

Administrative Information

Investigator In Charge (IIC):	WARREN V WANDEL	Adopted Date:	05/18/1992
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.nts.gov/pubdms/ .		

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