



National Transportation Safety Board Aviation Accident Data Summary

Location:	Dumas, AR	Accident Number:	DFW05CA079
Date & Time:	03/02/2005, 1100 CST	Registration:	N1518Z
Aircraft:	Air Tractor AT-402	Injuries:	1 None
Flight Conducted Under:	Part 137: Agricultural		

Analysis

The pilot of the agricultural airplane collided with power lines while maneuvering during an aerial application flight. One of the power lines took out a large portion of the vertical stabilizer and the rudder. Under minimal control, the 5,090-hour pilot managed to execute a forced landing to an adjacent open field.

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be: The pilot's failure to maintain clearance from the power lines.

Findings

Occurrence #1: IN FLIGHT COLLISION WITH OBJECT
Phase of Operation: MANEUVERING - AERIAL APPLICATION

Findings

1. OBJECT - WIRE, TRANSMISSION
2. (C) CLEARANCE - NOT MAINTAINED - PILOT IN COMMAND

Occurrence #2: FORCED LANDING
Phase of Operation: EMERGENCY DESCENT/LANDING

Occurrence #3: IN FLIGHT COLLISION WITH TERRAIN/WATER
Phase of Operation:

Findings

3. TERRAIN CONDITION - CROP
4. TERRAIN CONDITION - GROUND

Pilot Information

Certificate:	Commercial	Age:	39
Airplane Rating(s):	Single-engine Land	Instrument Rating(s):	None
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	5095 hours (Total, all aircraft), 290 hours (Total, this make and model), 5000 hours (Pilot In Command, all aircraft), 50 hours (Last 90 days, all aircraft), 30 hours (Last 30 days, all aircraft), 10 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	Air Tractor	Registration:	N1518Z
Model/Series:	AT-402	Engines:	1 Turbo Prop
Operator:	On file	Engine Manufacturer:	Pratt & Whitney
Operating Certificate(s) Held:		Engine Model/Series:	PT6-27
Flight Conducted Under:	Part 137: Agricultural		

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:		Weather Information Source:	Pilot
Lowest Ceiling:	Overcast / 6000 ft agl	Wind Speed/Gusts, Direction:	5 knots / , 110°
Temperature:		Visibility	7 Miles
Precipitation and Obscuration:			
Departure Point:	Dumas, AR	Destination:	

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
Latitude, Longitude:	33.925000, -91.511111		

Administrative Information

Investigator In Charge (IIC):	Alexander Lemishko	Adopted Date:	04/28/2005
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.		
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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