



# Aviation Investigation Final Report

|                                |                                      |                         |             |
|--------------------------------|--------------------------------------|-------------------------|-------------|
| <b>Location:</b>               | MOUNT GILEAD, Ohio                   | <b>Accident Number:</b> | CHI86LA061  |
| <b>Date &amp; Time:</b>        | January 11, 1986, 13:00 Local        | <b>Registration:</b>    | N3003Z      |
| <b>Aircraft:</b>               | PIPER PA-22-150                      | <b>Aircraft Damage:</b> | Substantial |
| <b>Defining Event:</b>         |                                      | <b>Injuries:</b>        | 2 None      |
| <b>Flight Conducted Under:</b> | Part 91: General aviation - Personal |                         |             |

## Analysis

ACCORDING TO THE ARPT MANAGER, THE PLT WAS TAXIING DOWN THE ACTIVE IN GUSTY WIND CONDITIONS AT A FAIRLY RAPID RATE OF SPEED. AS THE PLT TURNED INTO THE RUN-UP PAD AREA THE ACFT NOSED OVER.

## Probable Cause and Findings

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

### Findings

Occurrence #1: NOSE OVER  
Phase of Operation: TAXI - TO TAKEOFF

#### Findings

1. (C) COMPENSATION FOR WIND CONDITIONS - POOR - PILOT IN COMMAND
2. (C) AIRCRAFT HANDLING - IMPROPER - PILOT IN COMMAND
3. (C) FLT CONTROL SYST,ELEVATOR CONTROL - IMPROPER
4. (C) FLT CONTROL SYST,AILERON CONTROL - IMPROPER

## Factual Information

### Pilot Information

|                                  |   |  |                |
|----------------------------------|---|--|----------------|
| <b>Certificate:</b>              | Private   | <b>Age:</b>                              | 39, Male       |
| <b>Airplane Rating(s):</b>       | Single-engine land  | <b>Seat Occupied:</b>                    | Left           |
| <b>Other Aircraft Rating(s):</b> | None  | <b>Restraint Used:</b>                   |                |
| <b>Instrument Rating(s):</b>     | None  | <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>            | March 18, 1985 |
| <b>Occupational Pilot:</b>       | No  | <b>Last Flight Review or Equivalent:</b> |                |
| <b>Flight Time:</b>              | 288 hours (Total, all aircraft), 40 hours (Total, this make and model), 250 hours (Pilot In Command, all aircraft), 10 hours (Last 90 days, all aircraft) |  |                |

### Aircraft and Owner/Operator Information

|                                      |  |                                       |                 |
|--------------------------------------|--|---------------------------------------|-----------------|
| <b>Aircraft Make:</b>                | PIPER  | <b>Registration:</b>                  | N3003Z          |
| <b>Model/Series:</b>                 | PA-22-150 PA-22-150                                    | <b>Aircraft Category:</b>             | Airplane        |
| <b>Year of Manufacture:</b>          |  | <b>Amateur Built:</b>                 |                 |
| <b>Airworthiness Certificate:</b>    | Normal   | <b>Serial Number:</b>                 | 226954          |
| <b>Landing Gear Type:</b>            | Tricycle   | <b>Seats:</b>                         | 4               |
| <b>Date/Type of Last Inspection:</b> | July 14, 1985 Annual                                   | <b>Certified Max Gross Wt.:</b>       | 1950 lbs        |
| <b>Time Since Last Inspection:</b>   |  | <b>Engines:</b>                       | 1 Reciprocating |
| <b>Airframe Total Time:</b>          | 3031 Hrs   | <b>Engine Manufacturer:</b>           | LYCOMING        |
| <b>ELT:</b>                          | Installed, activated, did not aid in locating accident | <b>Engine Model/Series:</b>           | O-320-B2B       |
| <b>Registered Owner:</b>             | KEVIN R. COCHRAN                                       | <b>Rated Power:</b>                   | 150 Horsepower  |
| <b>Operator:</b>                     |  | <b>Operating Certificate(s) Held:</b> | None            |
| <b>Operator Does Business As:</b>    |  | <b>Operator Designator Code:</b>      |                 |

## Meteorological Information and Flight Plan

|   |                                  |   |                   |
|---|----------------------------------|---|-------------------|
| <b>Conditions at Accident Site:</b>     | Visual (VMC)                     | <b>Condition of Light:</b>                  | Day               |
| <b>Observation Facility, Elevation:</b> | MFD ,1296 ft msl                 | <b>Distance from Accident Site:</b>         | 22 Nautical Miles |
| <b>Observation Time:</b>                | 12:50 Local                      | <b>Direction from Accident Site:</b>        | 30°               |
| <b>Lowest Cloud Condition:</b>          | Clear                            | <b>Visibility</b>                           | 10 miles          |
| <b>Lowest Ceiling:</b>                  | None                             | <b>Visibility (RVR):</b>                    |                   |
| <b>Wind Speed/Gusts:</b>                | 14 knots /                       | <b>Turbulence Type Forecast/Actual:</b>     | /                 |
| <b>Wind Direction:</b>                  | 220°                             | <b>Turbulence Severity Forecast/Actual:</b> | /                 |
| <b>Altimeter Setting:</b>               | 30 inches Hg                     | <b>Temperature/Dew Point:</b>               | 3°C / -4°C        |
| <b>Precipitation and Obscuration:</b>   | No Obscuration; No Precipitation |   |                   |
| <b>Departure Point:</b>                 | MOUNT GILEAD , OH (419M)         | <b>Type of Flight Plan Filed:</b>           | None              |
| <b>Destination:</b>                     | COLUMBUS , OH (PVT )             | <b>Type of Clearance:</b>                   | None              |
| <b>Departure Time:</b>                  | 00:00 Local                      | <b>Type of Airspace:</b>                    | Class G           |

## Airport Information

|                             |                   |                                  |         |
|-----------------------------|-------------------|----------------------------------|---------|
| <b>Airport:</b>             | MORROW COUNTY 419 | <b>Runway Surface Type:</b>      | Asphalt |
| <b>Airport Elevation:</b>   | 1080 ft msl       | <b>Runway Surface Condition:</b> | Dry     |
| <b>Runway Used:</b>         | 27                | <b>IFR Approach:</b>             | None    |
| <b>Runway Length/Width:</b> | 3500 ft / 65 ft   | <b>VFR Approach/Landing:</b>     | None    |

## Wreckage and Impact Information

|                            |        |                             |                           |
|----------------------------|--------|-----------------------------|---------------------------|
| <b>Crew Injuries:</b>      | 1 None | <b>Aircraft Damage:</b>     | Substantial               |
| <b>Passenger Injuries:</b> | 1 None | <b>Aircraft Fire:</b>       | None                      |
| <b>Ground Injuries:</b>    | N/A    | <b>Aircraft Explosion:</b>  | None                      |
| <b>Total Injuries:</b>     | 2 None | <b>Latitude, Longitude:</b> | 40.490566,-82.890869(est) |

## Administrative Information

**Investigator In Charge (IIC):** Mcavoy, E.

**Additional Participating Persons:** H BURKES; COLUMBUS , OH

**Original Publish Date:**

**Last Revision Date:**

**Investigation Class:** [Class](#)

**Note:**

**Investigation Docket:** <https://data.nts.gov/Docket?ProjectID=13403>

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