

SAMPLE MOTOR VEHICLE ACCIDENT REPORT

SITE SPECIFIC WEATHER ANALYSIS REPORT

PREPARED FOR:

Herkowitz & Robinson Engineering

Dennis Ross

PREPARED BY:



FEBRUARY 18, 2007

REFERENCE: Virgil Baroomsical
Route 611 - 2 miles south of Raubsville, PA

CompuWeather Sample Report – Please note that this report contains sample data and fictitious names, dates, addresses and case references. This report is intended to demonstrate the structure and detail that is included in a CompuWeather Weather Analysis. All CompuWeather Reports are specific to individual cases or claims and may or may not include all the sections or information contained in this sample report.

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PROJECT INFORMATION

Report Completion Date: February 18, 2007
Prepared for: Herkowitz & Robinson Engineering
6 Strawberry Fields Lane
Horseshoe, MT 90210
Attn: Dennis Ross
Case Reference: Virgil Baroomsical
Date of Incident / Loss: November 15, 2004
Time of Incident / Loss: 1:26 PM
Location of Loss / Incident: Route 611
2 miles south of Raubsville, PA
Type of Incident: Motor Vehicle Accident
Scope: Determination of the weather and ground conditions for
November 15, 2004

ABSTRACT

Herkowitz & Robinson Engineering has requested that CompuWeather's Forensic Meteorologists perform a site specific analysis of the weather conditions that occurred on November 15, 2004 for the location of Route 611 2 miles south of Raubsville, PA. CompuWeather researched all the available weather data from approved sources for the surrounding area, analyzed the information and interpreted the conditions that took place for the requested location during the period requested.

Rain occurred prior to approximately 2:15 PM EST. CompuWeather has determined that as a result of this rain event, exposed outdoor surfaces were wet at 1:26 PM E.S.T (time of the incident) at Route 611, 2 miles south of Raubsville, PA (site of the incident).

INTRODUCTION

This report is based on a review of weather data recorded in the vicinity of Route 611, 2 miles south of Raubsville, PA (site of the incident; see attached map) on November 15, 2004. In order to determine the weather conditions during the period in question, official copies of National Weather Service (NWS) data were studied.

Our analysis of this data begins with interpretation and also determining its credibility. Data may not have been present at the loss location during the period in question. In such cases, data from the nearest reporting sites are analyzed. Also, some of the data gathered may not be finalized by the National Weather Service. Our final report will reflect on finalized data, if/when available. If finalized data is not available for a particular location or time pertinent to this case, the preliminary data will be used in combination with meteorological estimations.

Data and reports taken by individuals or organizations not affiliated with the National Weather Service are considered helpful in our analysis but are not used in our final report.

ANALYSIS OF THE GENERAL WEATHER CONDITIONS ON NOVEMBER 22, 2005

On November 15, 2004, the sky was mostly cloudy through around 11:30 PM EST and mostly clear thereafter. According to the nearest NWS observation sites, patchy fog was present prior to approximately 4:30 AM EST. Please note that due to the localized nature of fog, as well as to the local effects on the formation of fog (terrain, vegetation, and proximity to bodies of water...etc), it is possible that patchy fog may have been present at other times throughout the day which were not reported by the nearest NWS observation site and thus reduced the local visibility at times. No snow or ice cover was present throughout the day. Precipitation in the form of rain, heavy at times, occurred prior to approximately 1:40 PM EST and then again between approximately 2:00-2:15 PM EST. "Light" rain is defined as the rate of fall varying between a trace (less than 0.01 inch) and 0.10 inch per hour, the maximum rate of fall being no more than 0.01 inch in six minutes; "moderate" rain is defined as rate of fall varying from 0.11 to 0.30 inch per hour, the maximum rate of fall being no more than 0.03 inch in six minutes; "heavy" rain is defined as a rate of fall over 0.30 inch per hour or more than 0.03 inch in six minutes. Approximately 0.39 inch of rain fell on this day. Visibility was between approximately 1 $\frac{3}{4}$ - 8 miles prior to 11:30 AM EST and then 10 miles or greater thereafter. Winds were variable in direction at 6 mph or less, with calm periods, through around 3:30 AM EST. After 3:30 AM EST, winds varied between north and west at speeds between approximately 10-25 mph with gusts to between approximately 21-40 mph. The peak wind gust to 40 mph from the northwest occurred between approximately 3:00-3:15 PM EST. The high temperature was near 45 F and the low temperature was near 31 F. Please note that the temperature was above freezing prior to approximately 11:30 PM EST and then at or below freezing through the remainder of the evening. Also note that any moisture associated with the rain that occurred prior to approximately 2:15 PM EST on this day would have evaporated before 11:30 PM EST. Therefore, no patches of ice would have existed at the end of the day.

***SNOW AND ICE COVER:**

Snow and ice depth on untreated, undisturbed and exposed outdoor surfaces.

HOURLY ANALYSIS

Below is a table of the approximate hourly temperature, rainfall (inches), visibility (miles), wind direction, wind speed (mph), and wind gusts (mph) between 12:00 AM-12:00 PM EST on November 22, 2005. Please note that hourly rain is the amount of rain that occurred in between the reporting hours and is reported at the top of the following hour. For example, the amount of rain that occurs between 12:00-1:00 AM EST is reported at 1:00 AM EST. Also note that a trace of rain is defined as less than 0.01 inch.

Time	Temperature	Rain	Visibility	Wind Direction	Wind Speed	Wind Gust
12:00 AM	43	0.01"	4	Calm	0	None
1:00 AM	43	0.25"	2 ½	Calm	0	None
2:00 AM	43	0.03"	5	Northeast	8	None
3:00 AM	43	0.01"	5	Calm	0	None
4:00 AM	43	0.03"	5	North	10	None
5:00 AM	42	0.04"	8	Northwest	15	None
6:00 AM	42	0.02"	8	Northwest	13	None
7:00 AM	41	Trace	8	Northwest	13	None
8:00 AM	42	Trace	8	North	14	None
9:00 AM	43	Trace	8	Northwest	12	21
10:00 AM	43	Trace	8	Northwest	14	None
11:00 AM	43	Trace	8	Northwest	18	31
12:00 PM	43	Trace	10	Northwest	23	29

CONCLUSION

In conclusion, it can be stated with a reasonable degree of meteorological certainty, that on November 15, 2004 at 1:26 PM EST (date and time of the incident), no snow or ice cover was present on exposed, untreated, undisturbed outdoor surfaces in the vicinity of Route 611 2 miles south of Raubsville, PA (site of the incident; see attached map). However, exposed outdoor surfaces were wet and this was the result of the ongoing rain that had been falling all morning. In addition, at 1:26 PM EST on the date of the incident, the sky was cloudy, light rain was falling, the temperature was near 43 F, visibility was around 8 miles, and the wind was northwest at speeds between 18-23 mph gusting to between 29-31 mph.



INFORMATION SOURCES & SUPPORTING INFORMATION

The following is listing of data resources used by CompuWeather for Historical Weather Analysis:

- National Oceanic & Atmospheric Administration (NOAA)
- National Weather Service (NWS) hourly reporting stations
- National Weather Service special weather statements
- National Weather Service cooperative reporting station data
- National Weather Service climate summaries
- the November, 2005 issue of the National Weather Service publication "Storm Data and Unusual Weather Phenomena"

National Weather Service hourly reporting sites chosen for this study include:

In Pennsylvania:

- Lehigh Valley International Airport – Allentown
- Doylestown Municipal Airport
- Pocono Mountains Municipal Airport – MT. Pocono

In New Jersey:

- Somerset Airport – Somerville

National Weather Service cooperative observers chosen for this study include:

In Pennsylvania:

- Springtown 1 NNE

In New Jersey:

- Belvidere Bridge



ABOUT COMPUWEATHER

CompuWeather is the nationwide leader in forensic consulting, analysis and reporting. Established in 1976, CompuWeather is headquartered in Hopewell Junction, NY about 90 miles north of New York City in the Hudson Valley. CompuWeather is best known for providing expert past weather reports that pinpoint the exact conditions for the time and location of a loss or incident. CompuWeather is one of the largest professional weather services in the United States.

Over the last 31 years, CompuWeather has produced over 50,000 site-specific weather reports. Employing over 25 professional meteorologists, CompuWeather currently manages approximately 500 cases and claims per month for the insurance, legal, engineering and investigative industries. CompuWeather has built a reputation for the quality and accuracy of its work, rapid delivery of all products, personal service, and always live access direct to a meteorologist for any follow-up questions or requests.

CompuWeather works with all kinds of weather: Rain, Wind, Snow, Ice, Floods, Lightning, Hail, Temperature, Tornadoes and Hurricanes. In addition to our standard products and services, CompuWeather also provides a line of hurricane specialty products including custom weather graphics, and timeline charts. Special legal services include: Rush Service, Super Rush Service, Phone Consultations with a Meteorologist, Certified Weather Data Fulfillment, and Nationwide Expert Testimony.

In 2005, CompuWeather earned the distinction of being one of the premier sources for hurricane related data and analysis. Introducing a hurricane specialty product line, made up of site-specific reports, maps, timeline comparison charts and specialty graphics, CompuWeather worked with most of the major insurance, legal and engineering firms involved with Hurricane Katrina, Rita and Wilma. It is estimated that CompuWeather's products have been used to manage over 200,000 hurricane related claims throughout the Southeast and the Gulf Coast Region.

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