

**SAMPLE REPORT – ROOF COLLAPSE
(Snow & Ice Accumulation)**

**SITE SPECIFIC WEATHER
ANALYSIS REPORT**

PREPARED FOR:

OSI Engineering Inc.

Oscar Goldman

PREPARED BY:



May 3, 2007

REFERENCE: Steve Austin / 12569874
I-81 and Route 924, Humboldt, 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: May 3, 2007
Prepared for: OSI Engineering Inc.
Washington D.C.
Attn: Oscar Goldman
Case Reference: Steve Austin / 12569874
Date of Incident / Loss: February 17, 2007
Time of Incident / Loss: 3:30 PM
Location of Loss / Incident: I-81 and Route 924
Humboldt, PA
Type of Incident: Roof Collapse
Scope: Determination of the weather and ground conditions for
February 14-17, 2007.

ABSTRACT

OSI Engineering Inc. has requested that CompuWeather's Forensic Meteorologists perform a site specific analysis of the weather conditions that occurred on February 17, 2007 for the location of I-81 and Route 924, Humboldt, 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.

Approximately 13 inches of snow and sleet fell on February 13-14, 2007. CompuWeather has determined that as a result of this snow and sleet, approximately 13 inches of snow and ice cover was present at 4 PM EST on February 17, 2007 (date and time of the incident) at I-81 and Route 924, Humboldt, PA (site of the incident).

INTRODUCTION

This report is based on a review of weather data recorded in the vicinity of I-81 and Route 924, Humboldt, PA (site of the incident; see attached map) on February 14-17, 2007. 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 DURING THE PERIOD FEBRUARY 14-17, 2007

On February 14, 2007, approximately 4 inches of snow and ice cover was present at the start of the day (midnight). Sleet, mixed at times with snow, fell from 12 AM EST (midnight) through about 9:30 AM EST. A mixture of snow and sleet fell from about 9:30 AM EST until about 11 AM EST. Snow fell, heavily at times, from about 11 AM EST through about 11:30 PM EST. Approximately 9 inches of snow and sleet accumulated on this day. As a result, approximately 13 inches of snow and ice cover was present at the end of the day. Approximately 2.40 inches of liquid equivalent precipitation fell on this day. The storm total snow and sleet accumulation for February 13-14, 2007 was approximately 13 inches (approximately 4-5 inches of sleet), with a storm total liquid equivalent of approximately 2.70 inches. The high temperature was near 21 F and the low temperature was near 11 F.

On February 15, 2007, approximately 13 inches of snow and ice cover was present throughout the day. No precipitation occurred on this day. The high temperature was near 17 F and the low temperature was near 3 F.

On February 16, 2007, approximately 13 inches of snow and ice cover was present throughout the day. No precipitation occurred on this day. The high temperature was near 23 F and the low temperature was near 13 F.

On February 17, 2007, approximately 13 inches of snow and ice cover was present throughout the day. Light snow fell periodically between about 9 PM EST and midnight, with a trace (less than 0.1 inch) of snow falling. The high temperature was near 30 F and the low temperature was near 11 F.

***SNOW AND ICE COVER:**

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

DAILY SUMMARY TABLE

The following chart indicates the daily high and low temperatures in degrees (F), liquid precipitation (rain and melted snow/ice), snow and ice accumulation, and *snow and ice cover (inches). The daily snow and ice cover is measured at the end of each day (midnight). Note the date of the incident is in bold type.

Date	Max	Min	Liquid Precipitation	Snow/Ice Accumulation	Snow/Ice Cover
14	21	11	2.40"	9.0"	13.0"
15	17	03	0.00"	0.0"	13.0"
16	23	13	0.00"	0.0"	13.0"
17	30	11	Trace	Trace	13.0"

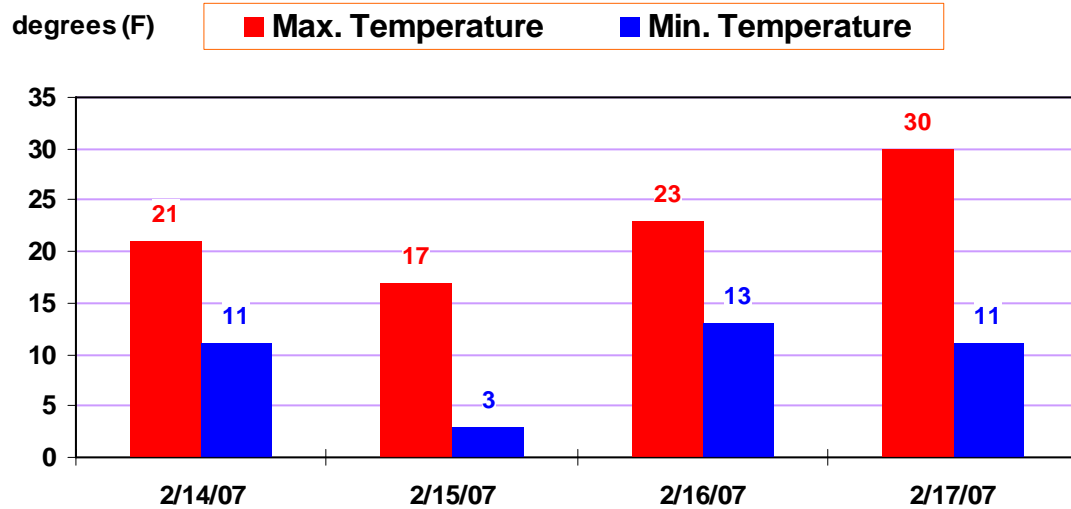
- A Trace of liquid precipitation denotes an amount of less than 0.01 inch.
- A Trace of snow and ice accumulation denotes an amount of less than 0.1 inch.
- A Trace of snow and ice cover denotes an amount of less than 0.5 inch.

*SNOW AND ICE COVER:

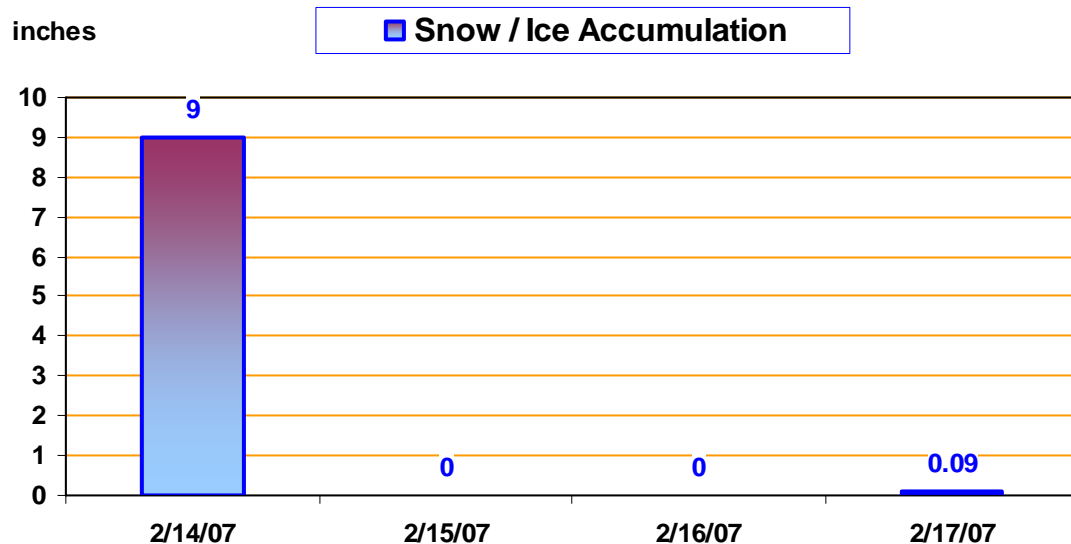
Snow and ice depth on untreated, undisturbed and exposed outdoor surfaces.

DAILY SUMMARY CHARTS

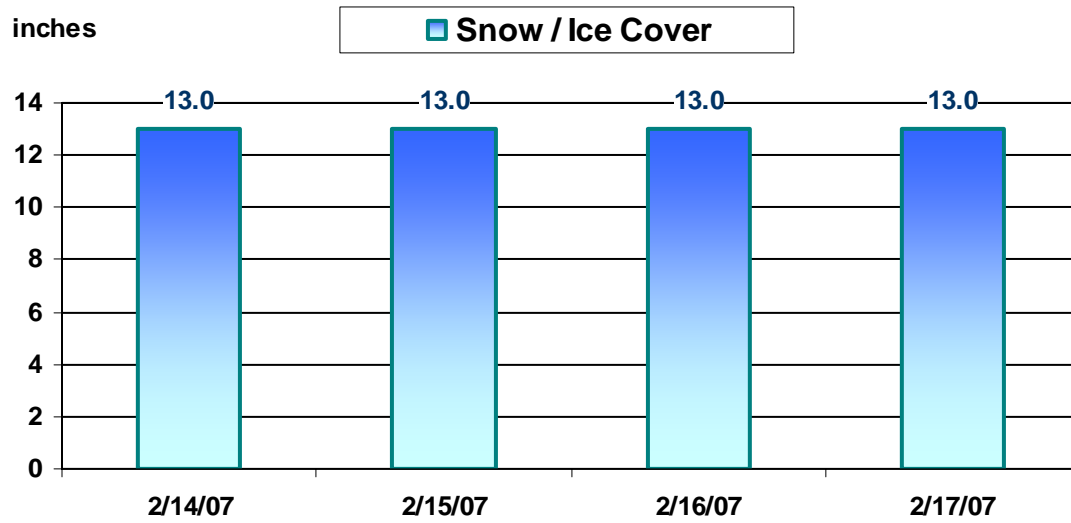
The following chart indicates the daily maximum and minimum temperatures (degrees F).



The following chart indicates the daily snow and ice accumulation. The amounts shown represent the amount that fell during the 24 hours period ending at midnight.



The following chart indicates the daily snow and ice cover (snow and ice depth on untreated, undisturbed and exposed outdoor surfaces) at the end of each day.



CONCLUSION

In conclusion, it can be stated with a reasonable degree of meteorological certainty, that on February 17, 2007 at 4 PM EST (date and time of the incident), approximately 13 inches of snow and ice cover was present on exposed, untreated, undisturbed outdoor surfaces in the vicinity of I-81 and Route 924, Humboldt, PA (site of the incident; see attached map). This snow and ice was the result of approximately 13 inches of snow and sleet accumulation (4-5 inches of sleet), that fell on February 13-14, 2007. The liquid equivalent of the snow and sleet was approximately 2.70 inches. In addition, at 4 PM EST, no precipitation was occurring, and the temperature was near 29 F. Prior to February 14, 2007, the last snowfall was on February 13, 2007, when approximately 4 inches of snow and sleet fell.



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

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

In Pennsylvania:

- Wilkes-Barre Scranton Airport - Avoca
- Penn Valley Airport - Selinsgrove
- Lehigh Valley International Airport - Allentown

National Weather Service cooperative observers chosen for this study include:

In Pennsylvania:

- Shickshinny 3 N



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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