

**MOBILE/MANUFACTURED HOME
DAMAGE REPORT**

FROM

TORNADO IN ESCAMBIA COUNTY

February 18, 2008



State of Florida
DEPARTMENT OF
HIGHWAY SAFETY AND MOTOR VEHICLES
TALLAHASSEE, FLORIDA 32399-0500

ELECTRA THEODORIDES-BUSTLE
Executive Director

DATE: February 19, 2008

TO: Dwight F. Davis, Chief
Bureau of Mobile Home and RV Construction

FROM: David W. Cowfer, Community Assistance Consultant
Bureau of Mobile Home and RV Construction

SUBJECT: Tornado Damage to Mobile/Manufactured Homes in Escambia County

Two tornadoes touched down in Escambia and Santa Rosa Counties on February 18, 2008. Both tornadoes were rated as either EF-0 or EF-1 which is not very serious.

A survey of the areas affected showed two mobile/manufactured home affected in Escambia County. One was a pre-HUD home with old style, double helix 30 inch anchors with heavily rusted straps. The home had three anchors on each side. This home flipped over on to its roof. There was one occupant inside who sustained only minor bruises and scratches.

The other home was an early 1990s model. There were no stabilizer plates on this home because that was not required when it was installed. The anchors were spaced at 10 foot intervals. This home was installed correctly at the time it was installed, however, because it did not have the modern enhanced installation components, it shifted off its foundation.

There were no newer mobile/manufactured homes installed according to current requirements that were affected by the tornadoes.

Storm Investigative Report

Date of Investigation	February 19, 2008	County	Escambia	Consultant	David W. Cowfer
Homeowner and Home's Location		Installer			
Billy Sims 6398 Brickyard Road Molino, Florida		N/A			
Anchor Length	30" with two – 3" helix	Mobile Home Description			
Spacing	Three anchors each side	MFG:	N/A	Single	X
Stabilizer Plates	N/A	L X W	10' X 50'	Double	
LSD System Used	N/A	HUD #	N/A	Triple	
Lateral System Used	N/A	VIN #	N/A	New	
Probe Test	N/A	Decal #	N/A	Used	X
Pier Spacing	All removed by owner	Date Installed	1970s	W.Z.	
Pier Pad Size	16" X 16" concrete	Date of MFG. or Year Model		Pre-HUD	
Condition of Anchors:		Rusted			
Condition of Stabilizer Plates:		N/A			
Condition of Piers		N/A			
Condition of Pier Pads		N/A			
Condition of LSD System		N/A			
Condition of Lateral Systems		N/A			
Type of Storm		Supporting Items		Photographs	
Thunderstorm		Newspapers		Home	X
Tornado	X	DCA's EOC	X	On Foundation	
Hurricane		Other:		Off Foundation	X
Windshear				Piers	
Flood					
Description of the Home's Condition					
Destroyed. The home rolled over on its roof. Owner was inside the home when it rolled. Just bruises and scratches. No one sustained major injuries. The galvanized straps were rusted and broke free from the anchors. The owner pulled the anchors out of the ground by hand after the home rolled.					
Description of the Mobile Home Park or Surrounding Area:					
Subdivision in a rural community. A mixture of site built and manufactured homes on approximately half acre lots.					



Storm Investigative Report

Date of Investigation	February 19, 2008	County	Escambia	Consultant	David W. Cowfer		
Homeowner and Home's Location			Installer				
Elsie Hiatt 125A Molino Road Molino, Florida			N/A				
Anchor Length	4' painted steel	Mobile Home Description					
Spacing	Approximately 10 ft. o/c	MFG:	N/A	Single	X		
Stabilizer Plates	N/A	L X W	14' X 76'	Double			
LSD System Used	N/A	HUD #	NTA256569	Triple			
Lateral System Used	N/A	VIN #	N/A	New			
Probe Test	N/A	Decal #	N/A	Used	X		
Pier Spacing	8' O/C	Date Installed	Early 1990s	W.Z.	II		
Pier Pad Size	16" X 16" concrete	Date of MFG. or Year Model		Early 1990s			
Condition of Anchors:		Surface rust. Appears to have not moved at all.					
Galvanized straps were rusted and no longer attached to the anchors. Four over the roof straps existed; one on one end held.							
Condition of Stabilizer Plates:		N/A					
Condition of Piers		Still standing. It appears the home was lifted off the piers and shifted sideways approximately eight feet on one end leaving all the piers standing.					
Condition of Pier Pads		Buried the depth of the pad. 16" X 16" concrete.					
Condition of LSD System		N/A					
Condition of Lateral Systems		N/A					
Type of Storm		Supporting Items		Photographs			
Thunderstorm		Newspapers		Home	X	Anchors	X
Tornado	X	DCA's EOC	X	On Foundation		Stabilizer Plates	
Hurricane		Other:		Off Foundation	X	LSDs and Laterals	
Windshear				Piers	OK	Other	
Flood							
Description of the Home's Condition							
Destroyed. The home appears to have lifted off the piers and shifted approximately eight feet on one end and rested on the porch deck. (Porch may have assisted in stopping the home from rolling over.)							
The home broke in half.							
Description of the Mobile Home Park or Surrounding Area:							
Rural community. Subdivision with a mixture of site built and manufactured homes on approximately half acre lots.							

