



National Transportation Safety Board
Office of Railroad, Pipeline and Hazardous Materials Investigations
Human Performance and Survival Factors Division
Washington, D.C. 20594

July 2, 2002

SURVIVAL FACTORS GROUP CHAIRMAN'S FACTUAL REPORT
Addendum 1: Maps of the Accident Location

A. Accident Information

Carrier: Canadian Pacific Railway
Train: 292-16
Location: Milepost 471.4 of the Portal Subdivision in the St. Paul Service Area
Minot, North Dakota
Date: January 18, 2002
Time: 0139 Central Standard Time
Number: DCA-02-MR-002

C. Accident Summary

At approximately 1:39 a.m., Central Standard Time, January 18, 2002, a Canadian Pacific Railway freight train with two locomotives and 112 cars derailed 31 cars near Minot, North Dakota. Several tank cars carrying anhydrous ammonia were breached and a vapor plume covered the derailment site and community. One local resident was fatally injured. The conductor and engineer were taken to the hospital for observation after complaining about breathing difficulties. The plume from the hazardous material release affected approximately 15,000 people and 60-65 residents of the neighborhood near the derailment site were rescued. Eleven were admitted to the hospital with serious injuries consisting of respiratory and chemical burn injuries.

The operating crew stated that while operating near 40 mph they had felt a rough spot, attempted to slow the train and the derailment occurred. Once assessing the situation, they removed the two locomotives from the rest of the train and departed the immediate area towards Minot.

At least three tank cars were still leaking product and a fourth suspect at the onset of the investigation. Local emergency responders had designated a hot zone and had restricted access to the derailment site. Investigative teams were established. Parties to the investigation were Canadian Pacific Railway, Federal Railroad Administration, Brotherhood of Locomotive Engineers, United Transportation Union, and Minot Rural Fire Department.

D. Addendum 1: Maps of the Accident Location

Paragraph “5.1 Minot Rural Fire Department” on page 6 of the Survival Factors factual report dated June 12, 2002 made reference to *Attachment 1 – Maps of the Accident Location*. On May 2, 2002, the Chief of the Minot Rural Fire Department provided three maps (approximately 18” by 20” in size). At the time the Survival Factors factual report was issued these maps had not been converted into a useable electronic format for inclusion in the report. The maps have since been converted into a useable electronic format. Therefore, this Addendum is being issued to add *Attachment 1 – Maps of the Accident Location* to the Survival Factors Factual Report.

– End of Addendum –

Compiled by: _____ Date: _____
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Approved by: _____ Date: _____
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 Chief, Human Performance and Survival Factors Division