HAZARDOUS MATERIALS MANAGEMENT SYSTEMS:

the M.A.P.S. method

by LUDWIG BENNER, JR. and
MICHAEL S. HILDEBRAND

Brady THE FIRE PUBLISHER

Train Your Students Through A Simulated Emergency Environment

The M.A.P.S. Method:
Mapping Accidents for Planning and Simulation

Here is a totally innovative yet practical slide/tape series that gives your students a chance to participate and respond in safe, simulated real-life hazardous materials emergencies! It's Hazardous Materials Management Systems: The M.A.P.S. Method, by Ludwig Benner, Jr. and Michael S. Hildebrand, an engaging, live-photography program that enables firefighters, police, and civil defense personnel to simulate documented accidents in their own communities - so they can better plan, train for, and evaluate their emergency responses.

Based on the results of hazardous materials accidents including the Youngstown, Florida and Boutte, Louisiana incidents, this unique three-module set includes five overlays for use with standard U.S. Geological Survey maps, scaled at a 1: 24,000 ratio. These overlays record different dispersion patterns at time-sequenced intervals, enabling instructors to screen hazardous materials incidents onto local community maps - giving students a realistic and practical approach to training. Lets participants discover for themselves any problems with their actions and responses during simulation - not during an actual emergency. Guides students in their decision-making with performance-based principles, rather than textbook facts. Introduces management-by-objectives principles to emergency response planning and provides critique guidelines that help students understand actions and procedures from past accidents so they can improve upon their own plans. What's more - the M.A.P.S. slide/tape modules containing map dispersion pattern overlays and presentation hints for each simulation. Also included are two evaluation forms, a kit inventory check sheet, a copy of the slide/tape script, and a checklist for presentation duties. Take a closer look at these outstanding features:

- Concentrates On The Thinking Aspects Of Emergency Response
  Designed to convey a few selected principles to aid the search for relevant facts in emergencies, rather than "cookbook" instructions for every emergency.

- Lets Participants See The Effects Of Past Accidents Overlaid Onto Their Own Community's Map
  Adds a practical, realistic touch to emergency response by using local settings for simulation.

- Provides Valuable Simulation Experience
  Gives your students the opportunity to interact and respond as an emergency unit, while you control the variables and assign roles.

Module 1: The M.A.P.S. Method

Explains how the M.A.P.S. method helps students handle hazardous materials emergencies more safely by eliminating shortcomings during the simulation process. Emphasizes the prevalence of hazardous materials in everyday living and how these materials can hurt as well as help our lifestyles.

Module 2: The M.A.P.S. Method: Principles Underlying The M.A.P.S. Method

Explores the performance-based principles of hazardous materials emergencies, emphasizing the ability to make effective decisions in the face of unfamiliar situations. Presents a General Emergency Behaviour Model that describes what happens during an emergency that results in harm. Illustrates common dispersion and exposure patterns.

Module 3: Making M.A.P.S. Work For You

Presents the six-step M.A.P.S. method, featuring documented overlays that can be superimposed upon local maps. Gives students a chance to see past accidents so they know what to expect if a similar accident occurs in their community.

Slide/tape/3 modules/5 overlays/65 page instructor's manual/ complete set (3 sections) $255.00

NATIONAL TRANSPORTATION SAFETY BOARD

WASHINGTON, D.C. 20594

HAZARDOUS MATERIALS ACCIDENT SPILL MAPS

REPORT#	LOCATION	STATEYR	MODE	DATE REL
HZM-79-1	HOUSTON	TX 76	H	7-79
HZM-79-1	YOUNGSTOWN	FL 78	R	7-79
HZM-79-1	RUFF CREEK	PA 77	P	7-79
HZM-79-1	PENSACOLA	FL 77	R	7-79
MAP-79-1	BOUTTE	LA 78	R-H	11-79
MAP-79-2	CRESTVIEW	FL 79	R	11-79
MAP-79-3	PEARLAND	TX 78	P	12-79
MAP-80-1	GOOD HOPE	LA 79	H	4-80
MAP-80-2	INWOOD	IN 79	R	5-80
MAP-80-3	PRINCETON	KY 78	R	7-80
MAP-80-4	PAXTON	TX 79	R	7-80
MAP-80-5	MANASSAS	VA 80	P	9-80
MAP-80-6	ORANGE CO.	VA 80	P	10-80
MAP-80-7	LOS ANGELES	CA 80	H	11-80
MAP-80-8	MOLINO	FL 80	R	1-81
MAP-81-1	SOMERVILLE	MA 80	R	3-81
MAP-81-2	KENNER	LA 80	R-H	E4-81
MAP-81-3	RIDGEFIELD	WA 80	R	E4-81
MAP-81-4	KANSAS CITY	MO 81	R	E5-81

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