



Standard Guide for Developing a Hazardous Materials Training Curriculum for Initial Response Personnel¹

This standard is issued under the fixed designation F1011; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This guide covers a format for a hazardous materials spill initial response team training curriculum. This guide is designed to assist trainers of initial response personnel in assessing the content of training curriculum by providing guidelines for subject content against which these curricula may be evaluated. The guide should be tailored by the trainer to fit specific circumstances that are present in the community or industry where a spill may occur.

1.2 Sections 56789 of this guide identify those training areas that should be considered in a curriculum. The area of preplanning is listed and this topic should be seriously considered by the user. Training is only a small part of an overall spill response contingency plan. A properly equipped and trained spill response team cannot operate without a previously agreed plan of attack.

1.3 Currently the Code of Federal Regulation 40 CFR 112, 40 CFR 265, and 49 CFR 173 specify that producers, handlers, and shippers of hazardous materials shall plan and train for hazardous spill response. The broad interpretation of these regulations could include the requirement to train state and local response organizations who may be required to handle hazardous materials in an emergency spill situation. Regardless of the above regulatory requirements, training is essential to a proper response in an emergency.

1.4 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

¹ This guide is under the jurisdiction of ASTM Committee F20 on Hazardous Substances and Oil Spill Response and is the direct responsibility of Subcommittee F20.21 on Initial Response Actions.

Current edition approved April 1, 2013. Published April 2013. Originally approved in 1986. Last previous edition approved in 2007 as F1011–07. DOI: 10.1520/F1011-07R13.

2. Referenced Documents

2.1 Federal Regulations:

40 CFR 112—Oil Pollution Prevention²

40 CFR 265—Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities²

49 CFR 173—Shippers—General Requirements for Shipments and Packagings²

2.2 Other Documents:

2004 Emergency Response Guide Book³

NIOSH Pub#2005–149,

NIOSH/OSHA—Pocket Guide to Chemical Hazards, (September 2005)⁴

Emergency Handling of Hazardous Materials in Surface Transportation⁵

Materials Safety Data Sheets⁶

National Response Plan, Release Number: FNF-07–032, Department of Homeland Security⁷

American National Standard Criteria for Accepted Practices in Safety, Health, and Environmental Training⁸

3. Summary of Guide

3.1 This guide covers the following areas:

3.1.1 Preplanning,

3.1.2 Initial Assessment,

² Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.

³ Available from Government of Canada (to be revised in 2008), <http://hazmat.dot.gov/pubs/erg/gydebook.htm>.

⁴ Available from U. S. Department of Health and Human Services, 200 Independence Ave, S.W., Washington, DC 20201. Or available from U. S. Department of Labor, 200 Constitution Avenue, N.W., Washington, DC 20210.

⁵ Available from the Association of American Railroads/Bureau of Explosives, 1920 L Street, N.W., Washington, DC 20036.

⁶ OSHA 20 or Materials Safety Data Sheets are available from the specific chemical manufacturers.

⁷ Available from the Department of Homeland Security at http://www.dhs.gov/xprepress/committees/editorial_0566.shtm.

⁸ Available from American Society of Safety Engineers, 1800 East Oakton St., Des Plaines, IL 60018–2187, approved July 2002.