

Appendix D – Bibliography and Photographic Credits

References

1. ABS Consulting, "Consequence Assessment Methods for Incidents Involving Releases from Liquefied Natural Gas Carriers," Report 131-04, GEMS 1288209, May 13, 2004
2. Ahrens, Marty, "Fires at LP-Gas Bulk Storage Plants – Statistical Analysis", National Fire Protection Association, Quincy, Massachusetts, 2003.
3. Ahrens, Marty, "Fires at Flammable or Combustible Liquid Tank Storage Facilities – Statistical Analysis", National Fire Protection Association, Quincy, Massachusetts, 2002.
4. American Gas Association (AGA), "LNG Safety Research Program," Report IS 3-1. 1974.
5. Babrauskas, V., "Burning Rates," Section 3, Chapter 3-1, SFPE Handbook of Fire Protection Engineering, 2nd Edition, P.J. DiNenno, Editor –in –Chief, National Fire Protection Association, Quincy, Massachusetts, 1995.
6. Beyler, C.L., "Fire Hazard Calculations for Large Open Hydrogen Fires," Section 3, Chapter 1, SFPE Handbook of Fire Protection Engineering, 3rd Edition, P.J. DiNenno, Editor –in –Chief, National Fire Protection Association, Quincy, Massachusetts, 2002.
7. Budnick, E.K., D.D. Evans, and H.E. Nelson, "Simple Fire Growth Calculations," Section 11 Chapter 10, NFPA Fire Protection Handbook, 18th Edition, National Fire Protection Association, Quincy, Massachusetts, 1997
8. CHEMICAL ENGINEERS HANDBOOK, 2000, 4th Edition
9. Delichatsios, M.A., "Flame Heights of Turbulent Wall Fire with Significant Flame Radiation," Combustion Science and Technology, Volume 39, pp. 195-214, 1984.
10. Drysdale, D.D., An introduction to Fire Dynamics, Chapter 4, "Diffusion Flames and Fire Plumes," 2nd Edition, John Wiley and Sons, New York, pp. 109-158, 1998.
11. Glasstone, S., and P.J. Dolan, "Effects of Nuclear Weapons, Conditions of failure of overpressure-sensitive elements", Table 5.145, page 221, 1977.
12. Greenhalgh G.H., M.B. Lawless, B.B. Chew, W.A. Crone, M.E. Fein, T.L. Palmieri, "Temperature Threshold for Burn Injury: an Oximeter Safety Study", National Library of Medicine and the National Institutes of Health report, 2004.
13. Hasegawa, K., and K. Sato, "Study on the Fireball Following Steam Explosion of n-Pentane," Second Symposium on Loss Prevention and Safety Promotion in the Process Industries, Heidelberg, pp. 297-304, 1977.
14. Hasemi Y., and T. Tokunaga, "Modeling of Turbulent Diffusion Flames and Fire Plumes for the Analysis of Fire Growth," Proceedings of the 21st National Heat Transfer Conference, American Society of Mechanical Engineers (ASME), 1983.
15. Hasemi Y., and T. Tokunaga, "Some Experimental Aspects of Turbulent Diffusion

Flames and Buoyant Plumes from Fire Sources Against a Wall and in Corner of Walls,"Combustion and Technology, Volume 40, pp. 1-17, 1984.

16. Heskestad, G., "Fire Plumes," Section 2, Chapter 2-2, SFPE Handbook of Fire Protection Engineering, 2nd Edition, P.J. DiNenno, Editor-In-Chief, National Fire Protection Association, Quincy, Massachusetts, 1995.
17. Jensen, Rolf, "Urban Development Sitting With Respect To Hazardous Commercial /Industrial Facilities", pp 1-124, April 2, 1982
18. Lees, F.P., Loss Prevention in the Process Industries, Second Edition, ISBN 0-7506-1547-8, Butterworth-Heinemann, Oxford, 1996.
19. Little, Arthur D., Safety Considerations in Siting Housing Projects, 1975
20. McCaffey, B.J., "Flame Height," Section 2, Chapter 2-1, SFPE Handbook of Fire Protection Engineering, 2nd Edition, P.J. DiNenno, Editor-In-Chief, National Fire Protection Association, Quincy, Massachusetts, 1995.
21. Mitchell, K, "Proceedings from the 50 year anniversary symposium on environmental modeling" , National Center on Environmental Predictions, Enviromental Modeling Center, 2004.
22. Modak, A., "Thermal Radiation from Pool Fires," Combustion and Flames, Volume 29, pp. 177-192, 1977.
23. Raj, Phani K., "Hazardous Heat, Review of the Radiant Heat Flux Hazard Criterion Used for Establishing Safety Zones Around LNG & Other Hydrocarbon Fires," National Fire Protection Association (NFPA) Journal, September/October 2006.
24. Saflex Security Guide, Section 2, Special Properties of Security Glazing, Bomb Blast Resistance, 2000.
25. SFPE Engineering Guide, "Assessing Flame Radiation to External Targets from Pool Fires," Society of Fire Protection Engineers (SFPE), Bethesda, Maryland, June 1999.
26. Siting of HUD-Assisted Projects Near Hazardous Facilities: Acceptable Separation
27. Distances from Explosive and Flammable Hazards, a Guidebook, U.S. Department of Housing and Urban Development, Office of Environment and Energy, September, 1996.
27. Structure Fire Response Times, Topical Fire Research Series, Volume 5 – Issue 7, U.S. Fire Administration/ National Fire Data Center, January, 2006/ Revised August, 2006.
28. Texas A & M University, "Internet Oceanography Report", Department of Oceanography, 2002

Photographic Credits

1. View of a house in the South Hill play area, near Chesapeake, Virginia, where homes and other recreation areas are near stationary above ground storage tanks. Photo courtesy of Mr. Steve Early, *The Virginian Pilot*.
2. View of a house near Chesapeake, Virginia, located near stationary above ground storage tanks. Photo courtesy of Mr. Steve Early, *The Virginian Pilot*.
3. View of the aftermath of the January 30, 2007, propane blast at the Little General Store in Ghent, West Virginia. Enhancements note the approximate location of the store, the propane tanks, and an ambulance overturned in the explosion. Photo courtesy of W. Dayton Whittle, *The Register-Herald*.
4. View of a plume of black smoke following explosion and fire at a maintenance facility for Como Oil in Duluth, Minnesota. Photo courtesy of the *Duluth News Tribune*.
5. View of the aftermath of an explosion at Georgia Pacific Resins plant in Columbus, Ohio. Photo courtesy of the U.S. Environmental Protection Agency.
6. View of the aftermath caused by the explosion of propane tanks near a house in Brampton, California. Photo courtesy of *City News*.
7. View of firefighters extinguishing fires from jet fuel tanks that were burning out of control at Apra Harbor, Guam. Photo courtesy of U.S. Federal Emergency Management Agency.