PHENOMENOLOGY OF LNG ACCIDENTS –

A SELECTED BIBLIOGRAPHY

Rept. for 1965–Sep 74

Ines Siscoe

September 1974

Rep.
The Rand Paper Series

Papers are issued by The Rand Corporation as a service to its professional staff. Their purpose is to facilitate the exchange of ideas among those who share the author's research interests; Papers are not reports prepared in fulfillment of Rand's contracts or grants. Views expressed in a Paper are the author's own, and are not necessarily shared by Rand or its research sponsors.

The Rand Corporation
Santa Monica, California 90406
This bibliography is the result of a request by four researchers of The Rand Corporation. It covers the chemical, physical, and environmental aspects of liquified natural gas and its transportation. The references extend from 1965 to date and were culled from a literature search of the following sources:

- Applied Science and Technology, 1965-
- Engineering Index, 1965-
- Energy Abstracts, 1973-
- Business Periodicals Index, 1969-
- Public Affairs Information Service, 1965-
- Rand Library Catalog
- Reader's Guide to Periodical Literature, 1965-
- Physics Abstracts, 1971-
- International Aerospace Abstracts, 1971-
- U. S. Coast Guard, Office of Research and Development Publications, 1972-
- Engineering Index, Compendex
- Physics Abstracts, Inspec
- National Technical Information Service, NTIS

The references are arranged alphabetically by author, or by title if no author is available.
SELECTED BIBLIOGRAPHY


Arthur D. Little, "Preliminary system development chemical hazards response information system (CHRIS)," U.S. Coast Guard, Office of research and development, Washington, D.C., May 1972.


"Big LNG project planned on West Coast (Pacific Lighting)," Oil and Gas J., v. 69, p. 30, June 7, 1971.


"The first rumblings of a world boom: more than $3.5 billion has been earmarked to boost world-wide shipments of LNG (Cryogenic tankers for shipping liquefied natural gas)," Bus. Week, p. 32+ Apr. 3, 1971.


Hague, Brian C., "LNG stored safely within densely populated Stuttgart: recently completed, above-the-ground storage facility, the first of its type in West Germany, holds 17 million cubic meters, its design incorporating all the latest safety technology needed for its location inside a large city."

-5-


"International Conference on LNG, 1st, proceedings, Institute of Gas Technology, Chicago, Ill., Apr. 7-12, 1968."


"LNG carrier; boil-off, to burn or not to burn?" Marine Eng/Log, v. 77, p. 52+, Sep. 1972.


"LNG report," Oil and Gas J., v. 70, pp. 82-100, Oct. 9, 1972.


"LNG-tank support, insulation is developed," Oil and Gas J., v. 69, p. 85, Dec. 6, 1971.

"LNG tankers inflate shipbuilders' hopes: U. S. yards could get a big share of perhaps 100 ships that will be needed," Bus. Week, p. 46, Aug. 19, 1972.

"LNG used to power tankers," Cryogenics, v. 12, p. 151, Apr. 1972.


"Polluting incidents in and around U. S. waters, calendar year 1972," Commandant (G-WMP), U. S. Coast Guard, Washington, D. C.

"Prestressed-concrete LNG tanks tested, in operation (Barcelona, Spain)," Oil and Gas J., v. 68, pp. 95-6, Jan. 5, 1970.


Uhl, A. E., "Kenai-Tokyo trade is start of Pacific LNG boom," Oil and Gas J., v. 68, no. 29, pp. 82-87, Jul. 20, 1970.


"United States boom coming in ships to haul gas, oil; demand for oil
natural gas is outrunning U. S. supply; to ship them in requires
hundreds of new tankers; for shipyards, it means big business,

"U. S. Coast Guard research and development contract DOT-CG-42,
356-A with C. R. Cushing: Intermodal container safety; in progress.

"United States hikes underground storage for light gas liquids by

U. S. Steel, "Evaluation of tanker structure in collision," U. S.
Coast Guard, Office of Research and Development, Washington,

Walls, W. L., "Fire protection for LNG plants," Hydrocarbon Process,

Walls, Wilbur L., "LNG: a fire service appraisal - 2," Fire J., v. 66,
no. 2, pp. 30-33, Mar. 1972.

Welker, J. R., and H. R. Wesson, "Control of LNG spill fires with high

Welker, J. R., and others, "LNG spills: to burn or not to burn,
paper presented at A. G. A. Distribution Conference, Operating
Section, May 1969.

Werthenbach, H. G., "Propagation of flames on cylindrical, liquid
333-6, Aug. 1971.

Wesson, H. R., "Control LNG-spill fires," Hydrocarbon Process, v. 51,

"Where natural gas behaves like a genie," Bus. Week, pp. 144-6+ 

"Williams, John D., "Cold cargo: liquefied natural gas could fuel
resurgence of shipbuilding firms; U. S. yards prepare to join LNG
tanker competition as energy demand grows," Wall St. J., v. 180,

Wilson, R., "Natural gas is a beautiful thing?" Bull. Atom. Sci.,

Wiessmiller and E. O. Mattocks, "How to use LNG safely," Pipeline and

Witte, L. C., and J. E. Cox, "Non-chemical explosive interaction of
LNG and water," ASME Paper 71-wa-HT-31 for meeting Nov. 26-Dec. 2,
1971.

