

Subj: Captain of the Port Policy Concerning Vessels Loading or Discharging "Cargoes of Particular Hazard"

Ref: (a) COTP Public Notice 2-69

SCB-
WKK-
JVM-
JHF-
P. L. R. 7/12

1. Reference (a) is hereby cancelled.

2. Due to the particular and severe hazards which exist during the transfers of cargoes listed in 33 CFR 124.14(b)(1), (See enclosure (1)), it will be my policy to order safety precautions listed in the following paragraphs when any tank ship or barge is transferring or has aboard such cargoes in the Port of Houston:

a. At least 24 hours in advance, the waterfront facility where the cargo of particular hazard is to be transferred will notify the COTP of the anticipated date, time, vessel, cargo and amount to be transferred. This notification may be accomplished by letter or telephone, (672-2142).

b. Acrylonitrile, methyl acrylate, butadiene, methyl methacrylate, ethylene oxide, vinyl chloride, vinylidene chloride and vinyl acetate must be inhibited or stabilized. The master of a vessel or the tankerman of a barge into which these commodities are located will be provided with a statement as to the type of inhibitor used, the estimated time the inhibitor is expected to remain in effect and what conditions will diminish the effect of the inhibitor.

c. Vessels shall not bunker or load stores from shore side by vehicle or from water side while loading or discharging any of the subject cargoes.

d. While discharging or loading any of the subject cargoes to or from a facility, a vessel shall not transfer any of the subject cargoes or any other cargo to or from any vessel alongside.

e. Tank vessels may transfer any of the subject cargoes to or from a vessel alongside only if transfer operations to or from the facility are not conducted at the same time. While engaged in such operations, sufficient personnel shall be on watch in such positions that they can immediately secure the operation if a hazardous situation develops.

f. While discharging or loading any of the subject commodities waterfront facilities shall provide adequate physical security, including a guard force to allow only those persons who have an official need for presence on the facility during the operation.

g. Flange couplings ashore and shipboard used in the transfer of the subject cargo will be completely bolted.

h. The tank ship's fire main will be mated to the facility fire fighting system so that the vessel will maintain a firefighting capability even if fire pumps are inoperative. This process will generally require the utilization of a foreign vessel's International Shore Connection. The Bonding Hose shall never be charged unless in use during a fire.

i. Vessels transferring the subject cargoes should be electrically bonded to the shore ground prior to the connection of a cargo hose. The connection shall be maintained until the cargo hose has been disconnected, and any spill has been removed. This connection shall be secure. (Alligator clamps are not acceptable - "C" clamps are recommended).

hazard as listed in Enclosure (1) shall assure that:

- a. Hose connections are properly made with completely bolted flanges, properly gasketed - not leaking. (2g)
- b. Proper electric bondings are made. (2i)
- c. Vapor return lines are used when handling gases or poisons that otherwise be considered atmospheric pollutants.
- d. Adequate shoreside fire protection is provided depending upon the nature of the product. (2f)
- e. Adequate guards and safety personnel are on watch. (2f)
- f. A declaration of inspection properly executed has been received from the tank ship. (45CFR 35.35-30)
- g. Shore safety personnel are constantly within hailing distance of the vessel for emergency shore shutdown action.
- h. Cargo hoses are tested annually according to manufacturers recommendations.
- i. Cargo hoses are clearly marked with manufacturer's guaranteed maximum pressure.
- j. Notify COTP 24 hours before arrival of vessel loading or discharging commodities of particular hazard. (2a)
- k. Insure that inhibitor information is furnished vessels as outlined in paragraph 2(b).

4. In summary, vessels handling products of unusual hazard as listed in Enclosure (1) shall assure that:

- a. 24 hour advanced notice required in 33 CFR 124 is complied with.
- b. Bunkering is only accomplished as outlined in paragraph 2(c) while loading or discharging subject cargoes.
- c. Discharging and loading shall be in accordance with paragraph 2(d), (e).
- d. All piping used for subject cargoes shall contain all bolts in flanges and a functional gasket. All connections shall be without a leak. (2g)
- e. Tankship's fire main shall be under pressure and at least two charged hoses shall be led out in the vicinity of loading.
- f. Tankship's firemain shall be mated to shore fire system. (2h)
- g. Vessels shall furnish Coast Guard with a loading plan of chemical cargo on board upon arrival and that to be loaded. Proper chemical names will be used. Trade names will not be accepted.

5. Failure to comply with the above safety precautions may result in the operation being closed down until compliance is met.

A. B. Rose

A. B. ROSE
Commander, U. S. Coast Guard
Captain of the Port, Houston

A dangerous cargo considered to involve a particular hazard, when transported in bulk quantities on board vessels, or when handled in bulk quantities on waterfront facilities, is any commodity which by virtue of its properties would create an unusual hazard if release released. The commodities subject to this section are:

ACETALDEHYDE	HYDROCHLORIC ACID
ACETONE CYANOHYDRIN	METHANE
ACETONITRILE	METHYL ACRYLATE
ACRYLONITRILE	METHYL BPOMIDE
ALLYL ALCOHOL	METHYL CHLORIDE
ALLYL CHLORIDE	METHYL METHACRYLATE (MONOMER)
AMMONIA, ANHYDROUS	NONYL PHENOL
ANILINE	OLEUM
<u>BUTADIENE</u>	PHENOL
CARBOLIC OIL	PHOSPHORUS, ELEMENTAL
CARBON DISULFIDE	PROPANE
CHLORINE	PROPYLENE
CHLOROHYDRINS, CRUDE	PROPYLENE OXIDE
CROTONALDEHYDE	SULFURIC ACID
1,2-DICHLOROPROPANE	SULFURIC ACID, SPENT
DICHLOROPROPENE	TETRAETHYL LEAD
EPICHLOROHYDRIN	TETRAETHYL LEAD MIXTURE
ETHYLENE	VINYL ACETATE
ETHYL ETHER	VINYLVINYL CHLORIDE
ETHYLENE OXIDE	VINYLDENE CHLORIDE