the training specified by paragraph (a)(3) of this section and is capable of competently performing the procedures necessary for the cargo.

[CGD 79–116, 60 FR 17158, Apr. 4, 1995]

§ 153.959 Approval to begin transfer operations required.

No person may make connections for cargo transfer or transfer cargo unless he has authorization from the person in charge of cargo transfer.

§ 153.964 Discharge by gas pressurization.

The person in charge of cargo transfer may not authorize cargo discharge by gas pressurization unless:

(a) The tank to be offloaded has an SR or FV venting system;
(b) The pressurization medium is either the cargo vapor or a nonflammable, nontoxic gas inert to the cargo; and
(c) The pressurizing line has:
   (1) A pressure reducing valve whose setting does not exceed 90% of the tank’s relief valve setting and a manual control valve between the pressure reducing valve and the tank;
   (2) For an inert gas medium:
      (i) A safety relief valve with a cross sectional flow area at least equal to that of the pressurizing line and whose relieving pressure does not exceed 90 percent of the tank’s relief valve setting;
      (ii) A manual control valve between the safety relief valve and the tank; and
      (iii) A check valve between the manual control valve and the tank.

§ 153.966 Discharge by liquid displacement.

The person in charge of cargo transfer may not authorize cargo discharge by liquid displacement unless the liquid supply line to the tank has:

(a) A safety relief or pressure reducing valve set to operate at no more than 80 percent of the tank’s relief valve setting; and
(b) A manual control valve between the tank and the supply line’s safety relief valve or pressure reducing valve.

§ 153.970 Cargo transfer piping.

The person in charge of cargo transfer shall ensure that:

(a) Cargo is transferred to or from a cargo tank only through the tankship’s cargo piping system;
(b) Vapor not returned to shore through the tankship’s vapor return system is discharged at the height required for the cargo’s vent riser in Table 1, and
(c) All cargo vapor is returned to shore through the valved connection on the venting system if:
   (1) The cargo requires closed gauging, is referenced to §153.372 or is referenced to §153.525;
   (2) The transfer terminal has vapor return equipment; and
   (3) In his estimation the vapor return equipment is adequate to handle the vapor expected from the tank.

§ 153.972 Connecting a cargo hose.

The person in charge of cargo transfer may not authorize the connection of a hose to a cargo containment system unless: