Amend Section 6505 as follows:

§6505. Definitions.
The following definitions shall apply in the application of these Orders.

Actuation Test. A test performed by triggering the air intake shut-off valve to verify the proper functioning of (1) the control device and (2) the air intake shut-off valve.

Air intake shut-off valve. A device located between the engine air filter and the intake manifold, designed to shut off the diesel engine’s combustion air in the event engine runaway occurs.

Oil Saver. A device used in conjunction with a wire line in an oil or gas well to direct liquids and gases from such wells into desirable outlets.

Open well bore. A well open to the atmosphere during well drilling, work-over, maintenance, repair or abandonment operations.

Pressure Vessel. A container, including cylinders, used for the storage or accumulation of any gas or liquid under pressure and as defined in the Unfired Pressure Vessel Safety Orders with the following exceptions:

(a) Those exceptions defined in Section 451 of the Unfired Pressure Vessel Safety Orders.

(b) Pressure vessels constructed entirely of pipe and fittings conforming to and in service as prescribed in the applicable ANSI code.

(c) High and low pressure gas holder covered by General Order No. 94-B of the Public Utility Commission of the State of California with revised Section 4a, effective November 12, 1970.

This definition is not intended to include boilers as defined in the Boiler and Fired Pressure Vessel Safety Orders, and pressure chambers that are integral parts of such devices as pumps,
motors, engines, clothes presses, flatwork ironers, tire molds, etc., where the pressure-containing part is subjected to severe mechanical stresses.

**Prime Mover.** An engine or motor whose main function is to drive or operate other mechanical equipment.

**Rathole.** A hole in the rig floor lined with a casing that projects above the floor into which the kelly and swivel are placed when hoisting operations are in progress.

**Remote Control.** A wired or wireless equipment control device that operates the diesel engine’s air intake shut-off valve from a distance.

**Rotary Hose.** (Kelly Hose). Length or section of hose between the swivel and the top of the standpipe.

**Runaway.** A condition affecting diesel engines, where the engine overspeeds out of control, as a result of the introduction of airborne flammable gas or vapor via the air intake causing the engine to accelerate to progressively higher and higher revolutions beyond the normal operating range to a point where the engine becomes damaged due to mechanical failure.

Add New Section 6625.1 as follows:

§6625.1. Diesel Engines Runaway Protection.
(a) In order to prevent diesel engine runaway as defined in Section 6505, no employer shall operate a stationary, vehicular or mobile diesel engine within 50 feet of the open well bore or other source of ignitable gas or vapor, unless the diesel engine complies with subsections (b) through (d).
(b) Diesel engines shall be operated under at least one of the following conditions:
   (1) The diesel engine has an approved automatically actuated air intake shut-off valve that is equipped with a remote control readily accessible from the operator location or the equipment control panel where an operator is present; or
   (2) The diesel engine has an approved manually controlled air intake shut-off valve that is equipped with a remote control, readily accessible from the operator location, and the area affecting the safe operation of the diesel engine is monitored for flammable gas or vapor, or
   (3) The diesel engine’s combustion air is provided by a duct that runs from a non-hazardous area to the air intake of the diesel engine, and the duct’s air inlet is located not closer than 50 feet from the open well or other source of flammable gas or vapor, or
   (4) The diesel engine has an approved system for injecting an inert gas into the engine’s cylinders, and the system is equipped with a remote control that is readily accessible from the operator location, and the area affecting the safe operation of the diesel engine is monitored for flammable gas or vapor, or
   (5) The employer utilizes another approved method or device, as defined in Section 3206 of the General Industry Safety Orders, that is designed to shut down the diesel engine effectively and stop a diesel engine runaway.
(c) The actuation testing shall be performed as follows:
   (1) Drilling and well servicing rig diesel engines’ air intake shut-off valves shall be actuation tested at least once a week by a qualified person.
   (2) All other diesel engines’ air intake shut-off valves shall be actuation tested at least monthly by a qualified person.
   (3) The actuation testing required under subsections (c)(1) and (c)(2) shall be in accordance with manufacturer’s recommendations, and
   (4) A written record of the actuation tests shall be maintained pursuant to Section 3203(b)(1) of the General Industry Safety Orders.
   (d) Diesel engines experiencing runaway conditions shall be shut down immediately, and not restarted until the area affecting the safe operation of the diesel engine is free of flammable gas or vapor.

Amend Section 6651 as follows:

§6651. Loading and Unloading Operations.

(b) During the loading and unloading of a tank truck or trailer, the truck engine shall be stopped and the cab shall be unoccupied, unless the cargo is moved by means of the truck engine or an auxiliary engine with controls located in the cab, in which case the cab may be occupied by the truck operator.

(c) When a tank truck engine or an auxiliary internal combustion engine is being used to furnish power to transfer a flammable liquid, the vapors that may be liberated by such transfer shall be prevented from reaching the truck or auxiliary engine. If necessary, the vapors shall be piped to a safe location.

(d) In order to prevent diesel engine runaway as defined in Section 6505, a tank truck or vacuum truck diesel engine or an auxiliary diesel engine, being used to furnish power to transfer a flammable liquid shall comply with Sections 6625.1(b) through (d).

(e) During the loading and unloading of a tank truck or trailer, a qualified person shall be at or near the loading or unloading controls.

(f) In loading and unloading of tank cars, tank trucks or trailers, provision shall be made for the safe disposal of the liquids released by overflow or from hose spouts or lines.