

API RP 54, 4th Ed Addendum - Ballot 2

7.15 Land Rig Driller's Cabin and Doghouse

NOTE 1 A land rig driller's cabin is a steel building on the rig floor that provides the driller a sheltered command and control location with a direct line of sight to well center and overhead into the mast to operate various machinery and control systems during normal well drilling operations.

NOTE 2 A land rig doghouse is an enclosure or building on the rig floor that can be used as an office for the driller, a storehouse for small objects, or both.

- 7.15.1 Prior to commencing work activities, a risk assessment shall be performed to determine appropriate exit routes and shelter or muster points during catastrophic events such as a well blowout.
- 7.15.2 The land rig driller's cabin and doghouse shall not be considered as a safe shelter or muster point by personnel during catastrophic events such as a well blowout.
- 7.15.3 During catastrophic events such as a well blowout, personnel shall evacuate the drilling rig and not seek shelter in the driller's cabin or doghouse. Emergency response drills shall be conducted based on this premise.
- 7.15.4 A Warning signs should be attached to the outer wall near the entry doors or on the entry doors to the land rig driller's cabin and doghouse warning personnel that the building shall not be used as a safe shelter or muster point during catastrophic events such as a well blowout.
- 7.15.5 The land rig driller's cabin and doghouse should be provided with a minimum of two (2) exits that lead in different directions to the outside. The two exits may consist of one primary exit used to access the rig floor during normal drilling operations and an auxiliary emergency escape exit.
- 7.15.6 The land rig driller's cabin and doghouse shall be provided with a minimum of one (1) exit so that occupants of the building can evacuate without approaching the rig floor and well center.
- 7.15.7 The exit door on the land rig driller's cabin and doghouse shall open (inward or outward) in a manner that provides an unobstructed egress and exit route. Whenever possible the door should open in a manner that provides protection to the user during egress in a catastrophic event such as a well blowout at well center. Exit doors from the land rig driller's cabin and doghouse shall should not prevent egress from the rig floor.
- 7.15.8 Where possible, exits and auxiliary emergency escape exits on the land rig driller's cabin and doghouse should have a means to permit viewing of the conditions outside the exit while the exit is closed.
- 7.15.9 Exits and auxiliary emergency escape exits on the land rig driller's cabin and doghouse that are more than 4 feet from the ground should have a means such as stairs, a slide, or other means for personnel descent without approaching well center.
- 7.15.10 The auxiliary emergency escape exit on the land rig driller's cabin and doghouse should be provided with emergency lighting/illumination.
- 7.15.11 The auxiliary emergency escape exit on the land rig driller's cabin and doghouse should have simple and obvious methods that do not require exceptional effort to open.
- 7.15.12 Personnel shall be trained in the procedure(s) for escaping from the land rig drillers cabin and doghouse.
- ~~7.15.13 The exit or auxiliary emergency escape exit that does not approach the rig floor or well center should not be placed in front of or adjacent to glazed (glass) openings in the building with a direct line of sight to well center.~~

~~NOTE This helps to limit the effects of thermal radiation (radiant heat) on personnel as they exit the land rig driller's cabin and doghouse away from a catastrophic fire at well center.~~