

# Upstream Americas - Onshore Gas – Wells (Rockies) EP2009 9039 Prevention of Dropped Objects Manual

(Revised 6-3- 2010)

## Red Zone & No Go Guidance

All locations shall survey the work site and determine areas with operations that have a potential for dropped objects. Areas shall be defined using the definitions below.

**Red Zone Area** An area with a medium potential risk for dropped objects. Approval from the person in charge of job (Driller, 3<sup>rd</sup> party supervisor, etc) is required for entry into these areas. The intent is that when the risk in work areas increases to a medium potential for dropped objects, access to the area is controlled, at a minimum, by verbal approval from the person in charge of the job.

- Yellow plastic chain shall identify areas recognized as Red Zones. (i.e.: if red zone will transition between red and no-go then red chain can be utilized for entire task with signage in place for transitions)
- Single activity Operations (i.e.: Slick line, well prep, PLTs, swabbing) are not required to identify personnel inside the Red Zone as long as the supervisor of the job is present and can manage personnel (3-5)
- Coil tubing, Perforating and Fracturing Operations must identify personnel in the Red Zone by either fluorescent vest or armband (Yellow or green, high visibility for night Ops).
- Drilling and WOR floors will not require vest or arm band due to rotating equipment.

**No Go Zones** An area with a high potential risk for dropped objects (activities that could result in serious injury or multiple activities happening at once), a *Work Permit* is required for entry. Work permits are managed according to the WWIM's Manual.

- Areas identified as No Go Zones shall be documented on the locations list of operations that require a work permit.
- No Go Zones shall be barricaded off with either red plastic chain or hard barricade system.
- Wearing a RED FR vest or a Fluorescent Orange armband shall identify personnel permitted to enter a No Go Zone.

These **Red Zone** and **NO GO Zone** examples are to serve as a guide to help identify areas. This list is not all-inclusive.

Red Zone (Completions)	Red Zone (Drilling)	No Go Zones (Completion)	No Go Zone (Drilling)
Routine Crane Ops- chain to be in place prior to ops	Routine Crane Ops - chain to be in place prior to ops	Sub-Structure Area WOR	Pipe Rack / Catwalk Area
Working at Heights- Man lift/Man rider Man lift- when used in stationary position, chain to be in place	Working at Height- Man lift/Man rider Man lift- when used in stationary position, chain to be in place	Picking Up / Laying down Derrick (WOR)	Complex/Critical Lifts 1. Tandem Lifts
Coil Tubing Operations (Areas 6ft either side of the coil between spool and well head / rotary)  Forklift/Loader operations- Buffer zone of a minimum 6' to be maintained by operator at all times around forklift when moving or lifting/spotting	Routine Rig Floor Ops 1. Tripping Pipe 2. Running Casing  Forklift/Loader operations- Buffer zone of a minimum 6' to be maintained by operator at all times around forklift when moving or lifting/spotting	Working under suspended load 1. Stabbing Wellheads, BOPs/Trees/Frac Y's 2. Lifting/Stabbing/ Lay down Lubricators/BOP's 3. Lifting/Stabbing/Lay down CT Injector Heads 4. RU/RD Power Swivel 5. Install/Remove frac stands 6. RU/RD of equipment on Rig Floor	Working under suspended load 1. Wireline Tools 2. Lifting Well Heads 3. RU / RD BOP's 4. RU of equipment on Rig Floor 5. P/U & L/D of equipment from Catwalk to Rig Floor
* Wire line Operations (Areas 6ft either side of the line between the winch and well head / rotary)		Pipe Rack / Catwalk Area	Sub-Structure Areas
Routine Rig Floor Ops 1. Tripping Pipe 2. Running Casing		Critical/Complex Lifts	Picking Up / Laying down Derrick

*\*As the level of risk increases Red Zones may become No Go zones and shall be managed as such. Some activities could be considered a higher risk where a No Go Zone definition may be required such as areas adjacent to Wireline, coiled tubing operations etc.*