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Install an **oil riser pipe-recovery dome configuration** with a fully enclosed internal pipe system that would carry either [super heated water](#), a special [heat transfer liquid](#), or [thermal wiring elements](#) through the smaller pipes system running inside the main riser pipe and then **into** the containment dome. This riser pipe-dome configuration would provide an enclosed loop heat source to the bottom ocean floor and prevent hydrocarbons from freezing up the [recovery LMRP Cap system](#) - BP Technical Briefing 5-31-2010

This would prevent [ice crystals](#) from clogging either recovery [dome](#) or [oil riser pipe](#) that did occur with the original (5-08-10) Oil Spill Dome attempt. Using a heated liquid approach is very similar to an enclosed automobile radiator system. Using the industrial heating elements approach, will eliminate need for any special internal plumbing. In either case, an integrated recovery [LMRP Dome-Cap system](#) should be a **mandatory tool kit item** for every big oil company that wants to drill **offshore in USA**.

