

Lowering Drill Rods into Drill Hole

Facility:	Written By:	Approved By:	Date Created:	Date of Last Revision

Hazards Present:	PPE or Devices Required:	Additional Training Required:
Pinch Points	Hand Protection	
Lacerations	Steel Toed Boots	
	Hard Hat	
	Hearing Protection	
	Eye Protection	

Safe Work Procedure:

- 1) Ensure you are trained and comfortable on the controls of the drill. Rod puling and lowering is always done in first gear (Discovery Drills).
- 2) If able manually add a rod of desired length and diameter through the chuck/head and through the foot-clamp
- 3) Grab onto the rod with the chuck, open the foot-clamp and lower the rod towards the waiting core barrel.
- 4) Get within 1" of the core barrel, open the chuck and lock the foot-clamp open.
- 5) Manually align the threads giving a minimum of 2 turns to prevent cross-threading
- 6) Grab back onto the rod using the chuck and lift the rods up
- 7) Allow helper to loosen and remove the core barrel clamp
- 8) Raise the rod so the joint between the core barrel and rod is above the foot-clamp approximately 3", use the drill to "make" the connection.
- 9) Close the foot-clamp and retract the head about 2" from full cylinder length ensuring not to dead end the cylinder
- 10) Close the check and open the foot-clamp. Lower rod with head until head reaches bottom of mast, close foot-clamp and reposition head on rod approximately 3" from the top of the rod. Lower head back to bottom of mast.
- 11) Add another rod; male end first into female end of rod in head. Close foot-clamp and lower rod string into hole.
- 12) Repeat these steps until bit/core-barrel is at desired depth, or until resistance is felt lowering the rod string.

NOTE: In the event of any resistance stop lowering, back out of resistance, attach water-swivel and begin to ream until desired depth.

If an emergency situation occurs while conducting this task, or there is an equipment malfunction, engage the emergency stop and follow the lock out procedure

REPORT ANY HAZARDOUS SITUATIONS TO YOUR SUPERVISOR

Guidance Documents/Standards:	This Safe Work Procedure will be reviewed any time the task, equipment or materials change and at a minimum of every three years
MB Workplace Safety & Health Act & Regulations:	
	Reviewed By WSH Committee:
	Date: