MAINTENANCE PROTOCOLL FOR

BARRIERS CHANCERY (1090 Vienna, Boltzmanngasse 16)

Maintenance done at (date, time):

By (Company/Name(s) of the performer):

Control done by FAC representative (Name):

RANGE OF WORK TO BE PERFORMED

PLEASE WATCH ATTACHED SAFETY RECOMMONDATIONS

Monthly:

	done	not done	parameter / comments
Log pressure settings on sheet supplied in this section.			
Check for leaks around all fittings. Tighten when necessary.			
Check that hydraulic hoses (if used) are not rubbing on any hard or sharp surfaces. Especially check where hose enters conduit or where it may contact the ground.			
Check oil level in the site glass after the pump/motor has run to full pressure and shutoff. If level appears to be falling, investigate the HPU and Darner fittings and the hydraulic 'lines.			
Shut system off and drop system pressure to zero.			
For systems that are cycled less than 100 cycles per day, replace every third month thereafter. If system is cycled above this rate, or the location is in a high dust environment, replace filter monthly.			
Check the accumulator pressure while the system is at zero pressure using Delta Charging Kit 2469-31 or equal. If tool is not available, observe the value that the pressure gage jumps to when power is again turned on. (See hydraulic Section for details.) Log value and pressure setting on Log sheet provided			
Confirm that the Barrier operates smoothly during the raise and lower cycle Adjust speeds as desired.			
Remove Barrier top plates and check for debris build up in the bottom of the foundation frame Check for indications			

of oil leaks around the cylinders and Barrier header fittings. Tighten fittings and clean debris as necessary.			
Check the operation of the Barrier heaters if so equipped. They should get warm approximately one minute after energizing.			
Check all control functions for complete operation of all features.			
Turn off pump/motor power, bleed system pressure to zero and add dean, filtered oil to the top of the site glass.			
Clean dust and debris from around HPU tank and hydraulic lines. Wipe up any spilled oil			
Turn power on and bring system back to operation.			

Additional at the yearly inspection:

	done	Not done	parameter / comments
Drain the oil from the reservoir and flush with mineral spirits or clean oil. Alter wiping down the tank sides and bottom to assure that no contamination remains, replace with clean filtered oil.			
Check cylinder clevis pins for wear, replace as necessary.			
Examine the foundation frame for debris buildup, check drain lines and sump wells for drainage. Clean debris			
Tighten or replace any loose top plate bolts Drill and tap to next size or use inserts if threads are stripped.			
Check condition of the Barrier paint surface. Prepare, prime and touch up areas where the paint has be chipped or worn away Apply new reflective tape as necessary			
Checks hydraulic interconnect lines for kinks, contact wear or bulging. Replace or protect hoses as required.			
Thoroughly clean the HPU, removing dust and spilled oil. Remove any rust build up on components. Touch up paint where necessary.			
Check the accumulator pressure while the system is at zero pressure using Delta Charging Kit 2489-31 or equal, If tool is not available; observe the value that the pressure gage jumps to when power is again turned on. (See Hydraulic Section for details.) Log value and pressure setting on Log sheet provided.			
Test motor starter overloads by pressing the test button. Replace if necessary or press reset. Auto/Manual switch should be in the Manual position			
Check the pressure relief valve by depressing the starter armature and allowing unit to run to the relief pressure value of 2200 psig (152 bar]. Adjust as necessary.			

Remove Barrier top plates, check that the hydraulic cylinders are not leaking internally. Replace cylinder seals or cylinder as necessary.			

Other repairs/work being carried out:

Noticed, but not corrected deficiencies:

Signature Contractor	Signature FAC