

OPERATION PERMIT CHECKLIST

Type III & IV Pump Systems

PUMP TANK

Date/Initial _____

Manufacturer _____ ID # _____
 Man. Date _____ Capacity _____ gal _____ gal/in _____
 PT installed level / on a stable base _____
 Riser Type _____ diameter _____ inches _____
 Riser extends 6" above finish grade _____
 Structural Soundness _____ Top/Section Fit _____
 Riser _____ Lids/Covers _____
 Concrete strength Measurements _____
 Sealant: Top/Seam _____ Riser seal _____
 Extra waterproofing _____
 Leak test: date/time start _____ finish _____
 ST Outlet elevation _____ PT Inlet elevation _____
 Appurtenances: Vent _____ Pipe penetration points _____

PUMP/PUMP TANK SETUP

Design Flow Rate _____ Elevation Head _____ TDH _____
 Pump Manufacturer _____ Model _____ Size _____ hp _____
 On block _____ Accessible _____ Union _____
 Lift rope/S.S. chain _____ Discharge pipe size _____ inches _____
 Check valve _____ Cut off valve _____ Vent hole _____
 Floats: Independent Float Support System _____
 Pump off set _____ on set _____ High water alarm set _____

CONTROL PANEL

Manufacturer _____ Model number _____
 Location:
 Next to Pump Tank _____ Side of home facing tank _____
 NEMA 4X enclosure _____ 12" above grade _____
 H-O-A switch _____ Pump & alarm on separate circuits _____
 Water/gas/corrosion-proof conduit _____ No internal splices _____
 Conduit sealed _____
 Alarm: Location _____ audible _____ visible _____
 Manual disconnect present _____ accessible _____
 Electrical Inspection satisfied _____

Pump rate measured: _____ gpm) _____

_____ " - _____ " = _____ " X _____ gal/in = _____ gal ÷ _____ min = _____ gpm
end measure - begin measure = inches X gal/inch = gal ÷ time in minutes

PRESSURE MANIFOLD

Manifold in Box above lines _____ Manifold next to lines _____
Correct materials _____ Tap method _____ Tap size _____
Cleanout plug _____ Cut off valve _____
Pressure monitoring point _____ Manifold Leak-free _____
Pressure head demonstrated _____
Protective box:
accessible _____ properly sized _____ constructed _____

LOW PRESSURE PIPE

Lateral Turnups accessible _____ adequately protected _____
Lateral elevations per design _____ Hole size, spacing _____
Manifold-to-lateral connections _____ manifold dam _____
Manifold cleanout(s) _____ field adjustment valve/box _____
Lines flushed _____ Pressure head measured/balanced _____