SAND MOUND SEWAGE DISPOSAL SYSTEM
INSPECTION CHECKLIST

Inspector’s Name: ____________________

I. SITE PREPARATION

A. MDE Certified Installer Name ____________________
   B. MDE Certified Installer Present ____________________
   C. Mound perimeter and absorption bed properly staked out on contour (field verified) ____________________
   D. No compaction by heavy equipment:
      1. Within mound perimeter ____________________
      2. Downslope from mound by 25 feet ____________________
      3. Within sewage disposal area ____________________
   E. Vegetation cut and properly removed ____________________
   F. Trees, if present, cut off at ground level and stumps left in place ____________________
   G. Soil moisture level low enough to permit construction and soils are not frozen ____________________
   H. Soil plowed or scarified within mound perimeter, on contour, and to a suitable depth ____________________
   I. Location of BAT unit(s) or septic tank(s) and pump chamber properly staked out ____________________

II. CONSTRUCTION

A. Septic Tank (s) or Enhanced Pretreatment units

1. Septic Tank(s) or BAT Units ____________________
2. Number of tanks ____________________
3. Tank type and construction meets specifications (i.e. top-seam, baffled, etc.) ____________________
4. Capacity requirements met ____________________
5. Proper installation, bedded and level ____________________
6. Inlet and outlet pipes at proper elevations and water tight at tank pipe connections ____________________
7. Baffles and/or tees properly installed ____________________
8. Manhole access and risers 6 inches above finished grade ____________________
9. Tank water tightness checked
   a. Weep holes in tank walls/bottom sealed if present ____________________
   b. 24-hour leakage test conducted ____________________
   c. Proper vacuum test conducted ____________________
   d. Riser to tank lid connection water tight and verified ____________________
B. **Pump Chamber**

1. Design specifications met
2. Six-inch block present under pump
3. Control panel meets specifications and properly sealed
4. Event counter/elapsed time meter/flow meter installed
   (if required)
5. Proper float elevations (on/off/alarm)
6. Quick disconnect/siphon hole present in pump discharge
   supply line (if required)
7. Proper elevation of influent pipe
8. Inlet and outlet pipes through tank walls properly sealed
9. Valves meet specifications on approved plan
10. Tank joints/seams above seasonal high water table
11. Manhole access provided & terminates 6 inches above
    finished grade
12. Average day’s design flow storage capacity above high
    level alarm
13. Force main (supply line) diameter as specified on design
14. High water alarm on separate circuit than pump
15. Riser to tank lid connection watertight

C. **Sand Fill and Absorption Area**

1. Sand meets proper specifications on design
2. Sand fill brought to proper elevation
3. Sand fill covers basal area
4. Absorption bed has proper dimensions
5. Absorption bed is level
6. 6 inches of river gravel between sand fill and distribution pipe

D. **Distribution System**

1. Pressure rated pipe and fittings used
2. Fitting adequately bonded
3. Proper diameter of manifold
4. Proper diameter of lateral piping
5. Proper diameter of lateral perforations
6. Proper spacing of lateral perforations
7. Perforations oriented downward
8. End perforation suitable (sleeved/in end cap/on turn-up radius)
9. Two-inch gravel to cover laterals
10. Check of distribution system under pressure
E. **Final Placement of Fill and Topsoil**

1. Spun Geotextile fabric in place above gravel bed
2. Tapered cap present:
   a. Twelve-inch depth at center
   b. Six-inch depth at edges
3. Six-inch topsoil cover:
   a. Present and graded
   b. Seeded/sod
   c. Mulched
4. Sides of mound no steeper than 3:1 slope

F. **Monitoring Appurtenances**

1. Observation ports:
   a. Proper location and number
   b. Installed to proper depth and stable
2. Lateral turn-ups in place and protected with pipe sleeves or turf boxes

G. **Site Drainage and Proper Grading** (if required)

1. Surface water diversion
2. Curtain drain properly installed
3. Vertical drain

III. **PUMPING SYSTEM TEST**

A. Pump-on switch is operational
B. Pump-off switch is operational
C. High level alarm switch is operational
D. Volume of drawdown corresponds with specified dose
E. System achieves specified pressure

IV. **Comments and As Built Drawing:**