SAND MOUND SEWAGE DISPOSALSYSTEM
INSPECTION CHECKLIST

Inspector's Name: _____

I. SITE PREPARATION — Date: _____

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 — Date: _____

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` Date: _____

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: