SAND MOUND SEWAGE DISPOSAL SYSTEM
INSPECTION CHECKLIST

I. SITE PREPARATION

Date and Inspector’s Name____________________________

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 ft. _____
   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 BAT units

B. Number of tanks

C. Tank type and construction meets specifications i.e., top-seam, baffled, etc.

D. Capacity requirements met

E. Proper installation, bedded and level

F. Inlet and outlet pipes at proper elevations and water tight at tank pipe connections

G. Baffles and/or tees properly installed

H. Manhole access and risers 6 inches above finished grade

I. 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 watertight and verified

III. PUMP CHAMBER

A. Design specifications met

B. Six-inch block present under pump

C. Control panel meets specifications and properly sealed

D. Event counter/elapsed time meter/flow meter installed if required

E. Proper float elevations (on/off alarm)

F. Quick disconnect/siphon hole present in pump discharge supply line if required

G. Proper elevation of influent pipe
H. Inlet and outlet pipes through tank walls properly sealed
I. Valves meet specifications on approved plan
J. Tank joints/seams above seasonal high water table
K. Manhole access provided and terminates six inches above finished grade
L. Average day’s design flow storage capacity above high-level alarm
M. Force main (supply line) diameter as specified on design
N. High water alarm on separate circuit than pump
O. Riser to tank lid connection watertight

IV. SAND FILL AND ABSORPTION AREA

A. Sand meets proper specifications on design
B. Sand fill brought to proper elevation
C. Sand fill covers basal area
D. Absorption bed proper dimensions
E. Absorption bed level
F. Six-inches of river gravel between sand fill and distribution pipe

V. DISTRIBUTION SYSTEM

A. Pressure fittings used at joints
B. Fittings adequately bonded
C. Proper diameter of manifold
D. Proper diameter of lateral piping
E. Proper diameter of lateral perforations
F. Proper spacing of lateral perforations
G. Perforations oriented downward

H. End perforation suitable (sleeved/in end cap/on turn-up radius)

I. Two-inch gravel to cover laterals

J. Check of distribution system under pressure

VI. FINAL PLACEMENT OF FILL AND TOPSOIL

   A. Spun Geotextile fabric in place above gravel bed
      ______

   B. Tapered cap present

      1. Twelve-inch depth at center
         ______

      2. Six-inch depth at edges
         ______

   C. Six-Inch Topsoil Cover:

      1. Present and graded
         ______

      2. Sedded/Sod
         ______

      3. Mulched
         ______

   D. Sides of mound no steeper than 3:1 slope
      ______

VII. MONITORING APPURTEINANCES

   A. Observation Ports:

      1. Proper location and number
         ______

      2. Installed to proper depth and stable
         ______

   B. Lateral turn-ups in place and protected with pipe sleeves or turf boxes
      ______

VIII. SITE DRAINAGE AND PROPER GRADING (IF REQUIRED)

   A. Surface water diversion
      ______

   B. Curtain drain properly installed
      ______

   C. Vertical drain
      ______
IX. 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 close

E. System achieves specified pressure

X. COMMENTS AND AS BUILT DRAWING