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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

DATE _____

- 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 **DATE** _____

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 **DATE** _____

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** **DATE** _____
- 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 APPURTENANCES** **DATE** _____
- 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)** **DATE** _____
- A. Surface water diversion _____
 - B. Curtain drain properly installed _____
 - C. Vertical drain _____

IX. 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 close _____
- E. System achieves specified pressure _____

X. COMMENTS AND AS BUILT DRAWING