**MARION COUNTY ENVIRONMENTAL HEALTH DEPARTMENT**

**EXPERIMENTAL SYSTEM INSPECTION REPORT**

|  |  |  |
| --- | --- | --- |
| GENERAL INFORMATION | | |
| Owner: | Contractor: | |
| Address: | Inspector: | |
| Inspection Date: | Approved | Disapproved |

S = Satisfactory U = Unsatisfactory NA = Not Applicable

|  |  |  |  |
| --- | --- | --- | --- |
| S U NA | SITE PREPARATION | |  |
| Sewer Permit | | No: | |
| Engineer Firm | |  | |
| System Exposed for Inspection | |  | |

|  |  |  |  |
| --- | --- | --- | --- |
| S U NA | SETBACKS | |  |
| Minimum Setbacks to Closed / Open Portions of Septic System: | | | |
| Private Water Well | | 50’ / 100’ | |
| Shallow Public Water Well | | 200’ / 400’ | |
| Deep Public Water Well | | 100’ / 200’ | |
| Heat Pump Borehole | | 50’ / 100’ | |
| Lake or Reservoir | | 50’ / 100’ | |
| Stream or Pond | | 25’ / 25’ | |
| Edge of Drainage Ditch | | 10’ / 10’ | |
| Dwelling or Other Structure | | 10’ / 10’ | |
| Property Lines | | 10’ / 10’ (Unless an easement is signed and recorded.) | |
| Other Subsurface Treatment Systems | | 5’ / 10’ | |
| Water Line under Pressure | | 10’ / 10’ | |
| Suction Water Line | | 50’ / 100’ | |
| Foundation Drain or Subsurface Tiles | | 10’ / 10’ | |

|  |  |  |  |
| --- | --- | --- | --- |
| S U NA | SEWER PIPE FROM BUILDING TO PRIMARY TREATMENT | |  |
| Min. Setback to Wells | | Private Wells 10’ / Public Wells 25’ | |
| Material | | Sch. 40 Plastic Pipe (or SDR 26 or Stronger) or Cast Iron | |
| Cleanouts | | At building, every 100’, and each change of direction > 45°. | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S U NA | | PRIMARY TREATMENT – SEPTIC TANK | | | |  | |
| Gallon Capacity | 1000 | | 1250 | 1500 | 2000 | | Other: |
| Watertight Material | Concrete | | | Fiberglass | | | Plastic (ribbed const) |
| Manufacturer |  | | | | | | |
| Compartments | At least 2 compartments or 2 tanks in series. | | | | | | |
| Influent Compartment | 1/2 to 2/3 of total tank capacity. | | | | | | |
| Effluent Compartment | 1/3 to 1/2 of total tank capacity. | | | | | | |
| Inlet | 2” to 4” higher than outlet. | | | | | | |
| Baffles | 4” diameter schedule 40 plastic tees or as engineer’s design | | | | | | |
| Effluent Screen | Meets NSF Standard 46 or equivalent. | | | | | | |
| Watertight Risers | Min. 18” diameter at or above ground surface. | | | | | | |
| Inlet/Outlet Connections | Self-sealing gaskets formed or cast into tank material. | | | | | | |
| Meets engineer’s design |  | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S U NA | | DOSING SYSTEMS | | |  |
| Type | Pump | | Siphon | Other: | |
| Meets engineer’s design |  | | | | |
| Watertight Riser | With tight-fitting cover at or above ground level. | | | | |
| Pump | Submersible pump of corrosion-resistant material. | | | | |
| Pressure Line Size | Not smaller than outlet of pump it serves. | | | | |
| Pressure Line Drainage | Drains between dosing or buried below frost level. | | | | |
| High Water Alarm | Visual or audio alarm to alert of high water in pit. | | | | |
| Electrical Connections | No connections located inside pump pit. | | | | |
| Meets engineer’s design |  | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| S U NA | | DISTRIBUTION BOX |  |
| Placement | Placed on undisturbed soil. | | |
| Material | Corrosion-resistant rigid plastic. | | |
| Baffle | Pipe tee or baffle at inlet. | | |
| Outlet Heights | Outlets at same level and min. 4” above bottom of box. | | |
| Levelers | Outlets equipped with leveling device for equal flow. | | |
| Unused Outlets | Securely closed. | | |
| Header Pipes | Rigid PVC (ASTM Standard 2729 or stronger). | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S U NA | SUBSURFACE SAND FILTER BED(S) | | | |  | | |
| Filter Beds | Single | Double | | | |  | |
| Type | Gravity | Siphon-Dosed | | | | Pressure-Dosed | |
| Size | Required:       sq ft | | | Installed:       sq ft | | | |
| No. of Collection Lines | One collection line for each 6’ of width. | | | | | | |
| Collection Line Material | 4” SDR 35 or stronger PVC or approved material. | | | | | | |
| Collection Vent | Collection lines tied to common vent. | | | | | | |
| No. of Distribution Lines | One distribution line for each 3’ of width. | | | | | | |
| Distribution Line Material | 4” SDR 35 or stronger PVC or approved material. | | | | | | |
| Distribution Vent | Distribution lines tied to common vent. | | | | | | |
| Sampling | Sampling available at discharge or sample part installed. | | | | | | |
| Depth of Layers (Bottom to Top): |  | | | | | | |
| Coll. Lines and River Gravel | 10” | | | | | | |
| Pea Gravel or Fabric | Pea Gravel (3”) | | Fabric | | | |  |
| Course Washed Sand | 24” | | | | | | |
| Dist. Lines and River Gravel | 12” | | | | | | |
| Pea Gravel or Fabric | Pea Gravel (3”) | | Fabric | | | |  |
| Soil Backfill | 12” | | | | | | |
| Meets engineer’s design |  | | | | | | |

This report and the corresponding permit indicate the condition of the above-mentioned private sewage system at the time of inspection. To the best of my knowledge, all of the listed local and state ordinances have been adhered to and the system was installed per the engineer’s design specs. This does not guarantee the future condition or proper function of the system.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspector Date