

February 28, 2005
Report #020528aA

PROPERTY ADDRESS:
2101 STREET ROAD
NEW HOPE, PA
MAIN HOUSE, REAR OF PROPERTY

As requested, Perna Wastewater Management conducted an inspection of the on-site septic system at the above captioned property. The inspection was an objective evaluation of the components that were accessible at the time of the inspection. Based on our observations, the following information was obtained:

BACKGROUND AND OBSERVATIONS:

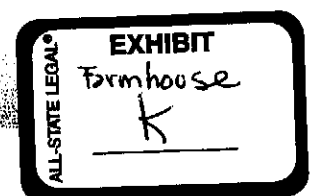
The septic system appears to consist of a cesspool, pump tank, distribution box, and an inground absorption area. The septic tank clarifies the wastewater passing through it, while the absorption area filters the effluent into the soil beneath it. The distribution box evenly delivers water to the absorption area. The dwelling is currently unoccupied.

The cesspool is located behind the house. The main cover, which is approximately two feet below grade, was not excavated open and removed. The cesspool was viewed through a six inch pipe extended to grade. The solids content is satisfactory, and a cleaning is not needed at this time. Treatment tanks should be pumped through the main access at least once every two to three years as a preventative maintenance measure to remove the accumulated solids content. The cesspool appeared to be at its normal operating level, and the outlet baffle appears to be in satisfactory structural condition. All the interior plumbing appears to be connected to the cesspool. Water was run in the dwelling, and no indications of sluggish drains were noted.

The pump tank is also located in the back yard. The cover, which is a wood wheel to grade, was removed and the tank appears to be in satisfactory structural condition. The cover must be replaced with a concrete lid for safety reasons. The pump was turned on to introduce water to the absorption area, and the pump, floats, and alarm appear to be operating properly. The distribution box appears to be in satisfactory structural condition.

The absorption area appears to be inground trenches located in the side yard. Upon probing the area, no evidence of sewage discharge or lush vegetation was noted.

It should be noted that the system appears to be over twenty five years old and may be beyond its peak operating efficiency. Like other older components of the dwelling, it may require increased maintenance and/or repair/replacement in the future even if it is functioning satisfactory at the time of the inspection.





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CONCLUSION:

The septic system at the above captioned property appears to be in unsatisfactory working order at the time of inspection, and the following must be completed before a revised report is issued:

1. As the dwelling has been unoccupied for over six months, a hydraulic load test must be conducted in order to obtain more information as to the working condition of the system. This is a two to three day test where water is introduced to the system at a rate expected to be generated by an occupied dwelling and its effects monitored. The estimated cost is \$530.00.
2. If the hydraulic load test yields a satisfactory result, then the existing pump tank lid must be replaced with a concrete lid. The estimated cost is \$125.00.

If you would like us to perform the above work, please have the party responsible for payment sign below, and return a copy to our office via fax or mail. Payment is due in full at time of service. Please be aware that additional fees may be incurred resulting from the work above, however, no further work will be performed without authorization. Please feel free to contact this office should you have any questions on the above. Upon receipt of payment in full, the revised report will be issued.

Sincerely,

Field Services Department

ACCEPTED: _____

PRINT NAME: _____

BILLING ADDRESS: _____

PHONE NUMBER: _____