

Permit No. **2023044**

Date Issued: **5/2/2023**

Hopewell Township Health Department

201 Washington Crossing Pennington Road

Titusville, New Jersey 08560

Tel. (609) 737-0120 Fax (609) 737-6836

PERMIT

Applicant: **Dan & Tina Smith**

Block: **62.00**

Lot: **4.01**

To: **INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM REPAIR**

Location: **1262 Bear Tavern Road**

Fee: **\$100.00**

24 Hour Inspection Notification Required

This permit is NOT transferrable

Authorized By: 
Hopewell Township Health Department



TOWNSHIP of HOPEWELL
MERCER COUNTY
DEPARTMENT OF HEALTH

201 Washington Crossing Pennington Road
Titusville, New Jersey 08560-1410
Phone: 609.737.0120 Fax: 609-737-6836 www.hopewelltp.org



Public Health
Prevent. Promote. Protect.

5/2/2023

Dan & Tina Smith
1262 Bear Tavern Road
Titusville NJ 08560

RE: Block: 62.00 Lot: 4.01 — 1262 Bear Tavern Road

To Whom It May Concern,

Enclosed please find your permit to replace the existing D-Box and/or connecting pipe at the above-mentioned property.

You or your contractor must notify this office at least (24) Twenty-Four Hours in advance of installation to schedule inspections with this office.

This permit is valid only to replace the existing D-Box and/or connecting pipe. You are not permitted to alter any component of the disposal field without further engineering and approvals from this office.

Very Truly Yours,

Peter Enea III

Registered Environmental Health Specialist

NEW JERSEY Septic Management Group

343 Route 601, Belle Mead, NJ 08502
phone: 908-874-4669 fax: 908-874-4697

www.nj-septic.com

SEPTIC SYSTEM INSPECTION REPORT

CLIENT INFO

INSPECTION LOCATION

Client Name: Tina Smith

Different from owner? ☐ yes ☒ no

Client Address: 1262 Bear Tavern Road
Titusville NJ 08560

Contact Methods : Cell # :

Home tel. : (609) 922-6778

Work / Fax :

E-mail : tsmith@gomortgage.com

Inspector Name: Michael Colangelo

Date: 4-20-23

Inspection Address : 1262 Bear Tavern Road
Titusville NJ 08560

Township : Hopewell

Was GPS used? ☐ yes ☒ no **Block :** 62 **Lot :** 4.01

Preliminary Information:

Weather: Clear 65 Degrees

Last precipitation: 4 day(s) before inspection Rain

Age of system 34 years

Type of dwelling:

☒ Residential Number of Bedrooms: 4

Non residential Describe:

How many systems are being inspected? 1

These systems are:

List any commercial activities or high impact hobbies:

None

Describe prior problems and/or repair history including soil fracturing or use of chemical additives. Include dates and explain why the remedial measures have been applied to the system (if available):

Was there a file review in the Health Dept. prior to the Inspection? Yes

If not, why?

	Yes	No
Is there a site plan or septic map available?	☒	☐
Is the dwelling currently being occupied?	☒	☐
If so, how many occupants? 2		
If no, date last occupied?		
If there is a washing machine, is it connected to a separate gray water disposal system?	☐	☒
Is the dwelling free of additional gray water systems?	☒	☐
Is the dwelling free of garbage disposal systems?	☒	☐
Is the dwelling free of sump pump discharges to the system?	☒	☐
If there is a water softener system, does its back-wash discharge into the system?	☐	☒
Is the dwelling free of any historical sewage back-ups into the household plumbing.	☒	☐
Does all sewage enter the septic system and no type of sewage bypass exists?	☒	☐
Septic Tank Pumping:		
Is the septic tank pumped regularly? Unknown		
Frequency: Unknown		
Date of last pumping: Unknown		

General Comments:

All components of a home have an expected, useful life span. As systems get older, they will generally require routine maintenance and periodic repairs and will eventually require full replacement. It is most often recommended to pump out a 1,000 gallon septic tank every 2 – 3 years, depending on the size of the family (larger family = increased water usage). If the sewage solids are not pumped out as they accumulate, there is an increased chance that they may migrate out of the tank, leading to partial blockage in drainage components and pre-mature failure.

Please Note:

Written commentary concerning septic system components is presented in the summary page(s) attached. Diagram is included for explanatory purposes.

Treatment Tank(s): Type of tank(s) being inspected? How many: 1 ☒ Septic tank ☐ Cesspool ☐ Gray water ☐ Multi-compartment - 2 3 What material is the tank made of? ☒ Concrete ☐ Block ☐ Steel ☐ Poly /Fiberglass Approximate Treatment Tank Volume: gallons: 1500 Evaluate the conditions of tank below: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Satisfactory</th> <th style="text-align: center;">Unsatisfactory</th> <th style="text-align: center;">N/A</th> </tr> </thead> <tbody> <tr> <td>Top(s) and Lids</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Inlet baffle(s)</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Outlet baffle(s)</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Cracks or Leaks</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Flow from the home</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> </tbody> </table>					Satisfactory	Unsatisfactory	N/A	Top(s) and Lids	☐	☒	☐	Inlet baffle(s)	☒	☐	☐	Outlet baffle(s)	☒	☐	☐	Cracks or Leaks	☒	☐	☐	Flow from the home	☒	☐	☐	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> </tr> </thead> <tbody> <tr> <td>Main tank lid(s) opened for inspection?</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Liquid level below the tank's inlet invert(s)?</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Liquid level below the tank's outlet invert(s)?</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☒</td> </tr> <tr> <td>Treatment tank(s) pumped for this inspection?</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Are all portions of the tank(s) clear of structures like a deck or a driveway?</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Is the area clear of evidence that sewage has surfaced above the treatment tank(s)?</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Does effluent flow unimpeded from the Tank(s)?</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Is an effluent filter a part of the system?</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☒</td> </tr> <tr> <td> If yes, does it appear properly maintained?</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Are there any other types of accessory units present?</td> <td style="text-align: center;">☐</td> <td style="text-align: center;">☒</td> </tr> <tr> <td>Depth to top of tank(s): 12" Lid Concrete</td> <td></td> <td></td> </tr> <tr> <td>Type Depth to top of tank access(es):</td> <td></td> <td></td> </tr> <tr> <td>At grade buried ☒ Depth: 12"</td> <td></td> <td></td> </tr> </tbody> </table>					Yes	No	Main tank lid(s) opened for inspection?	☒	☐	Liquid level below the tank's inlet invert(s)?	☒	☐	Liquid level below the tank's outlet invert(s)?	☐	☒	Treatment tank(s) pumped for this inspection?	☒	☐	Are all portions of the tank(s) clear of structures like a deck or a driveway?	☒	☐	Is the area clear of evidence that sewage has surfaced above the treatment tank(s)?	☒	☐	Does effluent flow unimpeded from the Tank(s)?	☒	☐	Is an effluent filter a part of the system?	☐	☒	If yes, does it appear properly maintained?	☐	☐	Are there any other types of accessory units present?	☐	☒	Depth to top of tank(s): 12" Lid Concrete			Type Depth to top of tank access(es):			At grade buried ☒ Depth: 12"		
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Distribution system: Type of delivery pipe being inspected? ☒ PVC Is PVC schedule 40? ☒ yes ☐ no ☐ Orangeburg ☐ terra-cotta ☐ cast iron ☐ other _____ Type of waste-water delivery? ☐ gravity flow ☐ pressure dosed ☒ gravity dosed D-box(es) present ☒ ☐ No d-box is present How many: 1 ☐ Unable to determine				<table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Is delivery pipe in satisfactory condition?</td> <td>☒ yes</td> <td>☐ no</td> <td>☐ N/A</td> </tr> <tr> <td>If present, was the d-box(es) located?</td> <td>☒ yes</td> <td>☐ no</td> <td>☐ N/A</td> </tr> <tr> <td>If present, was the d-box(es) uncovered?</td> <td>☒ yes</td> <td>☐ no</td> <td>☐ N/A</td> </tr> <tr> <td colspan="4">If not uncovered, explain below</td> </tr> <tr> <td>Was the d-box(es) covered by a walkway, deck or driveway (in part or whole)?</td> <td>☐ yes</td> <td>☒ no</td> <td>☐ N/A</td> </tr> <tr> <td>Was the d-box(es) in satisfactory condition?</td> <td>☐ yes</td> <td>☒ no</td> <td>☐ N/A</td> </tr> <tr> <td>Was liquid at normal operating level?</td> <td>☐ yes</td> <td>☒ no</td> <td>☐ N/A</td> </tr> </tbody> </table>				Is delivery pipe in satisfactory condition?	☒ yes	☐ no	☐ N/A	If present, was the d-box(es) located?	☒ yes	☐ no	☐ N/A	If present, was the d-box(es) uncovered?	☒ yes	☐ no	☐ N/A	If not uncovered, explain below				Was the d-box(es) covered by a walkway, deck or driveway (in part or whole)?	☐ yes	☒ no	☐ N/A	Was the d-box(es) in satisfactory condition?	☐ yes	☒ no	☐ N/A	Was liquid at normal operating level?	☐ yes	☒ no	☐ N/A																																						
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Absorption Area: Was the absorption system located? ☒ yes ☐ no If no, see below. Check the type of the absorption components that apply : ☐ disposal bed ☐ gravity flow ☐ pressure-dosed ☒ gravity-dosed ☐ raised mound ☒ disposal trenches ☒ # of laterals: 10 ☐ seepage pits(s) ☐ chambers: Are inspection ports present? ☐ yes ☒ no If yes, how many? Were separate, confirmation probes done throughout the absorption area? ☒ yes ☐ no ☐ N/A Is the area of the absorption system free of sewage odors? ☒ yes ☐ no Does sewage flow from the treatment tank to the absorption system without flowing back? ☒ yes ☐ no ☐ N/A Is the area above / near any of the system components free from signs of effluent or sewage? ☒ yes ☐ no Are the areas at or near the inlet invert of any absorption area component free of visible signs of sewage or effluent? ☒ yes ☐ no Are areas above or near system components free of lush vegetation? ☒ yes ☐ no Is the area directly over any part of the absorption system free of any evidence of large objects (cars, pools, etc.)? ☒ yes ☐ no ☐ N/A																																																																									

	<u>Satisfactory</u>	<u>Satisfactory with Concerns</u>	<u>Unsatisfactory</u>	<u>Requires Additional Investigation</u>	<u>N/A</u>
Condition of the treatment tank(s)	☐	☐	☒	☐	☐
Alternative Technology	☐	☐	☐	☐	☒
Condition of the distribution system	☐	☐	☒	☐	☐
Condition of the dosing system	☐	☐	☒	☐	☐
Condition of the absorption area	☐	☒	☐	☐	☐

Health Department Reporting

Note if any of the following conditions were observed during the inspection:

- ☐ 1. Ponding or breakout of sewage or effluent onto the surface of the ground
- ☐ 2. Seepage of sewage or effluent into portions of buildings below ground
- ☐ 3. Backup of sewage into the building served which is not caused by a physical blockage of the internal plumbing
- ☒ 4. Leakage from any system component that is supposed to be water-tight, such as the distribution box or septic tank

Pursuant to N.J.A.C. 7:9A-3.4 notification of any observation that is consistent with a condition noted above should be reported to the local administrative authority within 24 hours of the observation.

If encountered, describe all observed noncompliant conditions encountered during this inspection:

Steps must be taken to correct the malfunction. See the written commentary for details.

Disclaimer:

New Jersey Septic Management Group (herein after referred to as **NJSMG**) performs inspections in accordance with the "Protocol for Inspections of Onsite Wastewater Treatment and Disposal Systems" provided by the New Jersey Department of Environmental Protection, Division of Water Quality, Bureau of Non-Point Pollution Control dated April 2, 2012.

A NJDEP Inspection is:

- an objective evaluation of the onsite wastewater treatment system's characteristics based on the experience and expertise of a qualified inspector.
- an evaluation of each component examined leading to a conclusion about the system's condition.

A NJDEP Inspection is not:

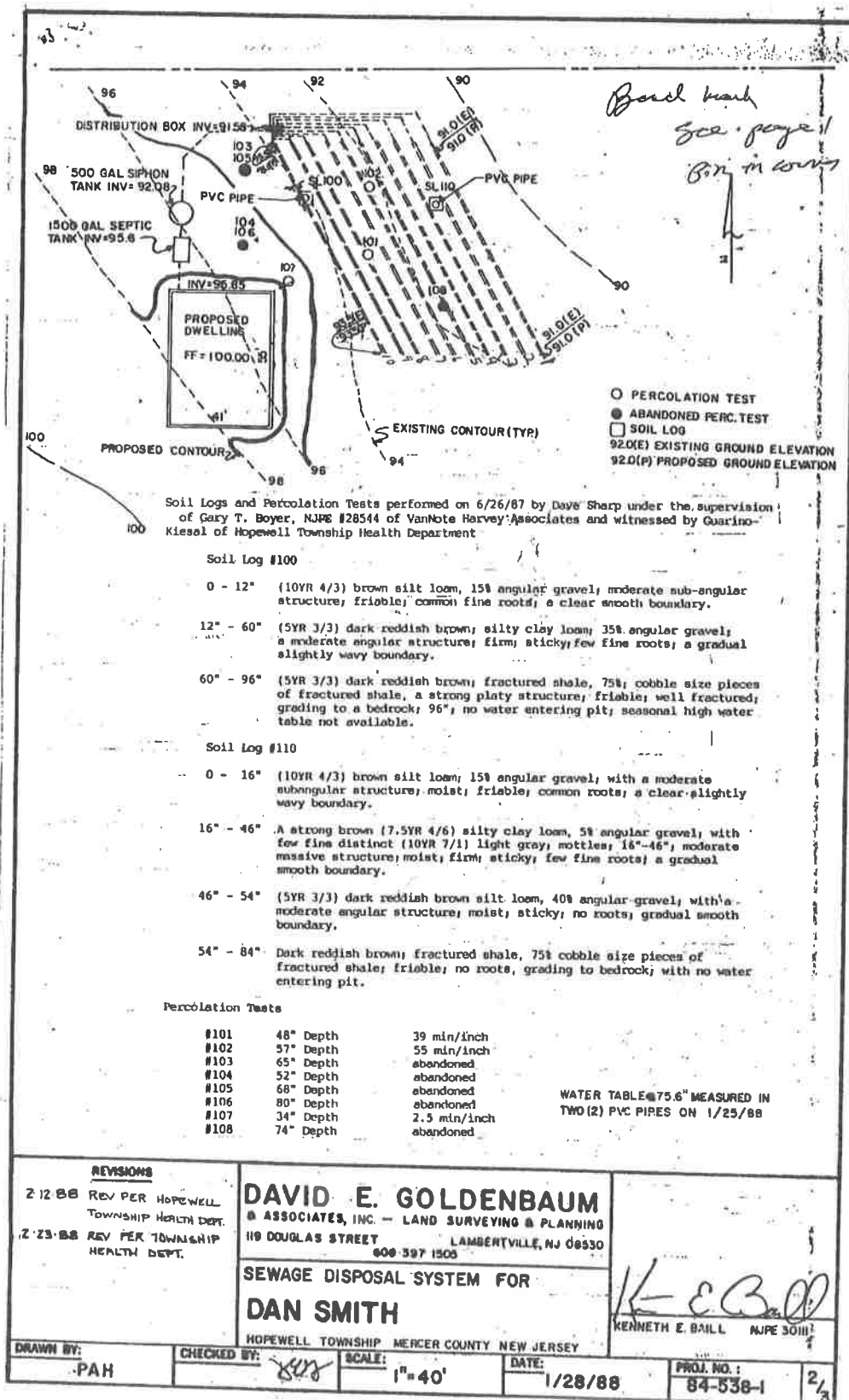
- a warranty or guarantee that the system will properly function for any period of time in the future.
- a result that is certified or endorsed by the State of New Jersey or its related regulatory or governing agencies.
- an assurance that the soil is adequately treating or will adequately treat effluent.

Based on today's observations and the information provided by the owner(s) or their agent, **NJSMG** submits this sub-surface sewage disposal system inspection report. The inspection is based on the current condition of the onsite sewage disposal system. **NJSMG** makes no representation that the system was designed, installed, or meets NJAC 7:9A-1.1 et. seq. **NJSMG** has not been retained to warrant, guarantee, or certify the proper functioning of the system for any period of time. Because of numerous factors (usage, soil type, installation, maintenance, etc.) which affect the proper operation of a sub-surface disposal system, as well as the inability of **NJSMG** to supervise or monitor the use and maintenance of the system, this report shall not be construed as a warranty by **NJSMG** that the system will function properly for any prospective buyer. **NJSMG** disclaims any warranty, either expressed or implied, arising from this inspection of the septic system.

Inspected by: Michael Colangelo
Reviewed by: Thomas Cahill, REHS

Date: 4-20-23

SEPTIC SYSTEM DIAGRAM, for information purposes only.





343 Route 601, Belle Mead, NJ 08502
phone: 908-874-4669 fax: 908-874-4697

www.nj-septic.com

Tina Smith

Date: April 20, 2023

Septic Inspection Summary Letter: 1262 Bear Tavern Road, Titusville, NJ;
Otherwise known as Hopewell Township, Block: 62, Lot: 4.01.

As requested, representatives from New Jersey Septic Management Group (NJSMG) visited the property referenced above, on April 20, 2023, to conduct an inspection of the septic system for the property owner. The existing home is 34 years old, and it has 4 bedrooms. It is occupied by two people. The septic system is original to the home. It is described as a conventional, gravity-dosed system, consisting of a septic tank, which empties into a pump tank. From the pump tank, wastewater is delivered into a distribution box (D-box), which distributes wastewater between lateral pipes that spread wastewater into trenches. A summary of the inspection results is presented below. For additional details, please see the NJDEP Septic Inspection Field Notes (included).

Interior Plumbing Accessories: Satisfactory

This is a review to determine if there are auxiliary plumbing fixtures or components (such as a Water Softener System or Garbage Disposal Unit), which might affect septic system operation.

- There are no such concerns.

Sewer Line: Unknown Condition

- There was no exterior access to the sewer line, so it was not inspected.

Septic Tank: Unsatisfactory

- The septic tank is a concrete, single compartment, 1,500 gallon tank.
- The main access lid is concrete and it is buried. It is required that all access lids have to be brought up to the surface. Concrete lids cannot be secured shut, however, so it has to be replaced with a cast iron lid that can be bolted shut.
- Upon opening the lid, the liquid level was at a normal operating level.
- After pumping there were no signs of cracks or leaks.
- The inlet and outlet baffles were shown to be intact.

Delivery System: Unsatisfactory

All wastewater from this home empties into the septic tank, where sewage solids settle out. Septic effluent (liquid) spills over into the Siphon Tank, from which it is delivered into a distribution box (D-box). The D-box distributes wastewater between laterals that spread it throughout the disposal bed.

- The outlet pipe shows no signs of blockage and is in satisfactory condition.
- The distribution box is significantly deteriorated and is leaking wastewater, bypassing the absorption area.

Dosing Tank (Siphon): Unsatisfactory

- The lid is 24" concrete, was on the surface and it must be replaced with a cast iron lid, which can be secured shut (to avoid a possible safety hazard).

- The tank is made of concrete, there were no signs of cracks or leaks and the water was at a normal operating level.
- The existing 6" tall 24" diameter concrete riser has multiple structural cracks and must be replaced.
- There is no alarm present, which would indicate if the Siphon did not operate and the waste-water level is rising, eventually leading to a back-up.

Absorption System (Disposal Trenches): Satisfactory, with Concerns

Observation Ports: There are no visible observation ports present on the property.

Camera View: From inside the D-box, the in-line camera was inserted through the lateral openings and pushed through the laterals. The laterals showed no blockage and no standing liquid. However, there were accumulations of sewage sludge.

Depth of Drainage Gravel: Probing was done, down through the drainage gravel.

- The top of gravel was shown to range from 12" to 18", below grade.
- The bottom of gravel ranged from 29" to 35", below grade.
- Summary: There was no standing water found.

Required Repairs:

- The septic tank has a concrete lid that is buried. It is required that all access lids be brought up to the surface and they must be secured shut. Installing a 12" tall, 24" diameter poly riser is recommended, with a 24" poly lid.
- The existing riser located on the siphon tank has multiple structural cracks and must be replaced. Installing a 6" tall, 24" diameter poly riser with a 24" poly lid is recommended.
- The existing, 15-hole concrete distribution box is no longer holding water, as designed, and must be replaced.
- The laterals show accumulations of sewage sludge and must be jet-washed to clean them out.

NJSMG submits this inspection report and summary letter, concerning the Onsite Sewage Disposal System (septic system), based on field observations and information provided by the owner(s) or their agents. The inspection was based on the current conditions of the individual components and the overall system operation, at the time of inspection, with the limitations then present (vacancy, lack of water, etc.). NJSMG makes no representation that the system was designed or installed according to or meets NJAC 7:9A-1.1 et seq. NJSMG has not been retained to warrant, guarantee or certify the proper functioning of the system for any period of time. NJSMG disclaims any warranty, expressed or implied, arising from this inspection, the report and summary. Please contact our office, with any questions.

Inspected By: Michael Colangelo
Reviewed By: Thomas Cahill, REHS

Please refer to the septic system diagram on the next page.

Hopewell Township Health Department

201 Washington Crossing Pennington Road

Titusville, NJ 08560

Phone: (609) 737-0120 Fax: (609) 737-6836

Permit Number 2023-044

Date Issued _____

Fee Received \$100.-
ch # 11672
5-1-23

Septic System Repair & Abandonment Application

Property

Location 1262 Bear Tavern Road BLOCK 62 LOT 4.01

Applicant Mike Powell- as agent Address 343 Route 601

City Belle Mead State NJ Zip 08502

Phone 908-874-4669 Cell _____ Fax _____

Existing Information, (Check one)

☒ Residential Single Family

No. of Bedrooms 4

☐ Residential Multiple Family

No. of Dwelling Units _____

Bedrooms per Unit _____

☐ Commercial/Institutional

Type of Establishment _____ Sq Ft of Facility _____

Total # Occupants or Employees per Shift _____ Meter Reading GPD _____

If estimate is based on water meter data, indicate source of data, frequency of readings average.

Existing Septic Tank Size 1500 gallons Garbage Disposal y/n _____ Sewage Ejector y/n _____

Existing Disposal System (check one) Bed _____ Trenches ☒ Seepage Pit(s) _____ Cesspool _____

Proposed Repair - Check Appropriate Category(s) Provide cut sheets for all new components

☐ Septic Tank Installation or Replacement. Compartment(s) _____ Size _____ gallons

All new & existing tanks must be provided with locking manhole to grade. Add 250gal or 2 compartments

☐ Connecting Pipes

☒ D-Box Replacement, add monitor pipe to existing field

☐ Pump Replacement Provide manufacturer _____ Horsepower _____

☐ Connect washer or remove illegal discharge pipes

☐ Septic Tank /Cesspool Abandonment

☐ Replace filter bed material per engineer Monitor Ports are required

☐ Dosing Tank Size _____ gallons Dose Volume _____ gallons Reserve Capacity _____ gallons

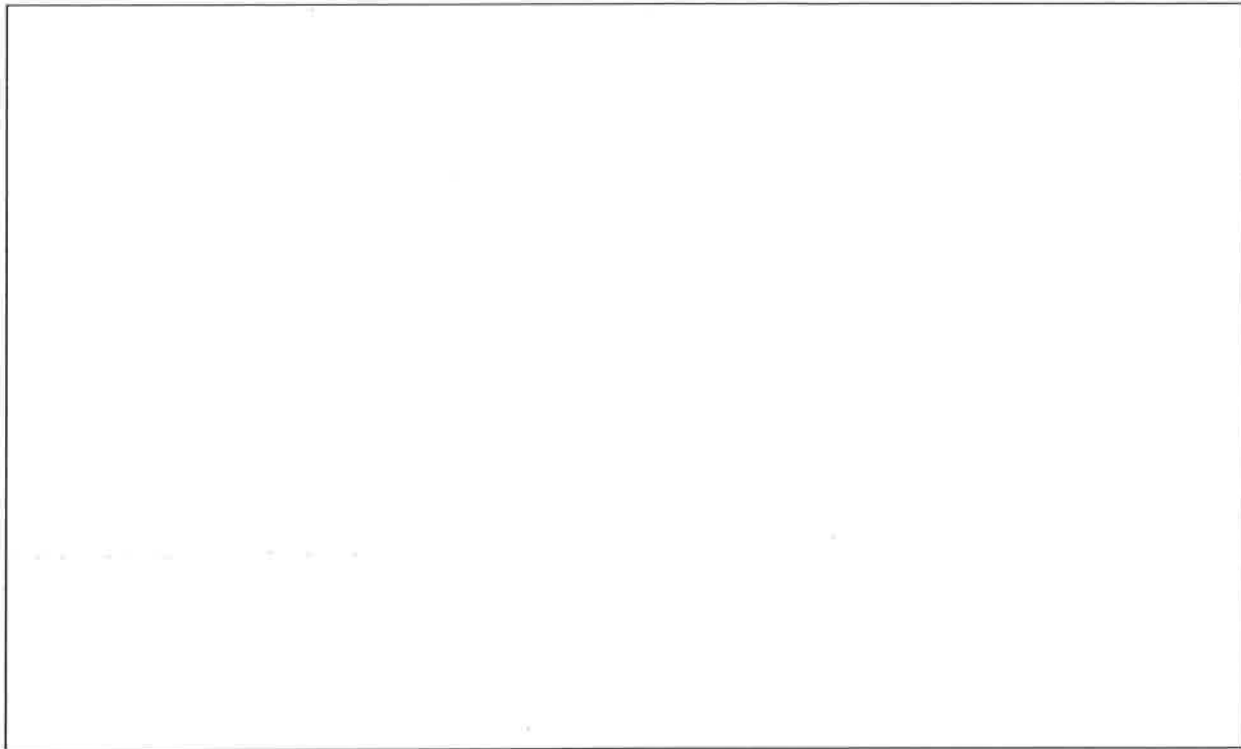
☐ External Grease Trap - Gallons _____ Calculation _____

Other (Specify) _____

Describe Nature of Alteration or Repair(s):

We will be installing a new 15-hole d-box, putting on a new lids and risers on the septic tank and siphon tank, and jet was the laterals.

General Plan of System Showing Locations of All System Components



I hereby certify that the information furnished on this application (and attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

CONTRACTOR New Jersey Septic Management Group PHONE # 908-8749-4669

ADDRESS 343 Route 601 City Belle Mead

State NJ Zip 08502 Fax 908-874-4697 Cell Phone # _____

Applicant / Contractor's Signature Michael Powell

Office use

Application Approved 5-2-2023 Inspector John Gentry

Application Denied _____ Inspector _____

Authorizing Signature John Gentry Date 6-2-2023

Repair Completed John Gentry Inspector 5-15-2023

Septic System Abandonment
Tanks Crushed and Filled _____ Inspector _____