

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER QUALITY  
BUREAU OF NONPOINT POLLUTION CONTROL

ENGINEER'S REPORT FOR INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMS  
(SUPPLEMENT TO THE TREATMENT WORKS APPROVAL PERMIT APPLICATION FORM TWA-1)

1. Application Signed By: \_\_\_\_\_ Position: \_\_\_\_\_  
Date of Application \_\_\_\_\_

2. Engineering Plans and Specifications:

Name and Address of  
Engineering Firm \_\_\_\_\_

Prepared by \_\_\_\_\_ Licensed Engineer

Plans entitled: \_\_\_\_\_

Date of Plans \_\_\_\_\_ Date of Last Revision \_\_\_\_\_

3. Project Location \_\_\_\_\_

County \_\_\_\_\_ Municipality \_\_\_\_\_

Lot(s) \_\_\_\_\_ Block(s) \_\_\_\_\_

4. Class of Construction - Check all applicable categories:

\*\*\*\*\* New Construction  
\*\*\*\*\* Alteration to an existing system  
" " " Expansion  
\*\*\*\*\* Change in Use  
\*\*\*\*\* Other - Describe \_\_\_\_\_  
\_\_\_\_\_

5. Type of Wastes:

" " Sanitary Sewage Only  
" " Other - Specify \_\_\_\_\_  
\_\_\_\_\_

6. Nature of Facility to be Served:

\*\*\*\*\* Residential - Indicate Number of Dwelling Units \_\_\_\_\_  
\*\*\*\*\* Commercial/Institutional - Indicate Number of Commercial Units \_\_\_\_\_  
Specify Type of Establishment \_\_\_\_\_  
" Other - Indicate Number of Units \_\_\_\_\_

Specify Type of Establishment \_\_\_\_\_

7. Design Flow, GPD \_\_\_\_\_

Method of Determination:

\*\*\*\*\* Method specified in N.J.A.C. 7:9A-7.4  
(Specify criteria used \_\_\_\_\_)

" \*\*\*\*\*Actual Water Use Data

" \*\*\*\*\*Other

Specify Method Used \_\_\_\_\_  
(Provide supporting documentation)

8. Indicate Reason Why Treatment Works Approval is Required:

\*\*\*\*\*Design or construction of one or more components of the system will not be in conformance with N.J.A.C. 7:9A;

\*\*\*\*\*System will serve more than one property, dwelling, commercial unit or other realty improvement.

Indicate the total number of realty improvements to be served \_\_\_\_\_

\*\*\*\*\*The proposed system will serve five or more realty improvements and/or receive a design flow greater than 2000 GPD, therefore a New Jersey Pollutant Discharge Elimination System (NJPDES) permit will be required.

Indicate NJPDES permit status below

\*\*\*\*\* NJPDES - Permit No.: \_\_\_\_\_

Effective Date \_\_\_\_\_; Expiration Date \_\_\_\_\_

\*\*\*\*\* NJPDES - Permit Exemption; Date: \_\_\_\_\_

\*\*\*\*\* System utilizes unproved technology or is otherwise experimental in nature;

\*\*\*\*\* System is designed to provide wastewater treatment in order to meet effluent quality limitations or ground water quality standards as prescribed by applicable State or Federal regulations or statutes; or

\*\*\*\*\* System will serve multiple units in a campground.

9. For applications which will not be regulated by NJPDES as indicated in section 8 above, the following information **must** be provided:

- a. For those aspects of design and construction which are covered by the Departments Standards for Individual Subsurface Sewage Disposal Systems (N.J.A.C. 7:9A), indicate below whether each aspect is in conformance with the Standards. Check "yes" if the standard listed has been complied with, "no" if the standard below has not been complied with, and "N/A" if the standard listed does not apply to the proposed design.

For all negative responses, attach a separate sheet or sheets with the question number, the reason for not conforming with the standard, and the information regarding the proposed designs ability to adequately treat and dispose of sewage.

**General Requirements:**

**Yes No N/A**

**Subchapter 4: Site Evaluation and System Location**

1. General provisions for site evaluation	___	___	___
2. Location generally	___	___	___
3. Distances	___	___	___
4. Slope	___	___	___
5. Surface drainage	___	___	___
6. Surface flooding	___	___	___
7. Freshwater wetlands	___	___	___
8. Area reserved for sewage disposal	___	___	___

**Subchapter 5: Determination of Soil Suitability**

1. General provisions for the determination of soil suitability	___	___	___
2. Requirements for soil profile pits and borings	___	___	___
3. Terminology required for soil logs	___	___	___
4. Criteria for determination of soil suitability	___	___	___
5. Rock substrata	___	___	___
6. Excessively coarse horizons and substrata	___	___	___
7. Hydraulically restrictive horizons and substrata	___	___	___
8. Criteria for recognition of zones of saturation	___	___	___
9. Hydraulic head test	___	___	___
10. Disturbed ground	___	___	___

**Subchapter 6: Permeability Testing**

1. General provisions for permeability testing	___	___	___
2. Tube permeameter test	___	___	___
3. Soil permeability class rating	___	___	___
4. Percolation test	___	___	___
5. Pit bailing test	___	___	___
6. Piezometer test	___	___	___
7. Basin flooding test	___	___	___

**Subchapter 7: General Design and Construction Requirements**

1. Design requirements	___	___	___
2. Construction	___	___	___
3. Types of waste	___	___	___
4. Volume of sanitary sewage	___	___	___
5. Separate disposal of greywater and blackwater	___	___	___
6. Type of system	___	___	___
7. Building sewer	___	___	___

**Subchapter 8: Pretreatment Units**

1. Grease traps	___	___	___
2. Septic tanks	___	___	___



10. Engineer's Certification:

I hereby certify that all aspects of the design of this project comply with the requirements of the Department's Standards for Individual Subsurface Sewage Disposal Systems (N.J.A.C. 7:9A) with the exception of those aspects identified by a "no" response in section 9(a) or by the information which I have provided under item 9(b), above.

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Signature of Design Engineer

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Name and Date (print)

Professional Engineer's Embossed Seal

11. Certification by the Administrative Authority or Authorized Agent of the Administrative Authority:

I hereby certify that the engineering plans and specifications referred to in section 2, above have been reviewed by this agency and have been found to be in conformance with the requirements of local ordinances. I further certify that the design of the proposed system has been found to be in conformance with the requirements of N.J.A.C. 7:9A with the exception of those aspects identified in section 9, above. Based upon these determinations, this agency has determined that the design is approvable subject to the issuance of a Treatment Works Approval by the State Department of Environmental Protection and Energy.

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Signature of Administrative Authority  
or Authorized Agent

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Date

Name/Title: \_\_\_\_\_  
Agency: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Phone #: \_\_\_\_\_  
\_\_\_\_\_