

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

Yes No N/A

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 and 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 removal and high strength wastewater pretreatment components
2. Septic Tanks
3. Advanced wastewater pretreatment components

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.

Signature of Design Engineer

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.

Signature of Administrative Authority or Authorized Agent

Date

Name/Title: _____

Agency: _____

Address: _____

Phone #: _____