Guide for Consulting Engineers
How to Apply for a Domestic Wastewater Collection/Transmission System Construction License

Developed by:
Broward County Board of County Commissioners
Environmental Protection and Growth Management Department
Environmental Engineering and Permitting Division
Domestic Wastewater Program
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Guide for Consulting Engineers
How to Apply for a Domestic Wastewater Collection/Transmission System Construction License

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Abbreviations and Acronyms

DEP  Florida Department of Environmental Protection
EEPD  Environmental Engineering and Permitting Division
EPGMD  Environmental Protection and Growth Management Department

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Table 3 - Design Flow Chart

Contact Information

Environmental Engineering and Permitting Division
Domestic Wastewater Program
1 North University Drive
Plantation, FL 3324
Phone: 954-519-1483
Email: WWLicense@broward.org
Website: www.broward.org/environment
1 Introduction

1.1 Purpose
This document has been prepared to be a guide for the consulting engineers submitting applications for licensing construction of wastewater collection and transmission systems in Broward County, Florida. It is an interpretation of, and not meant to replace, the minimal sound principles of Engineering, or the provisions of the Florida Administrative Code, Chapter 62-604, or the Broward County Code of Ordinances, Chapter 27.

The construction of a sanitary sewer system without a valid DEP Permit and an EPGMD License for Installation of Wastewater Collection/Transmission System is a violation of Florida Administrative Code, Chapter 62-604, and by reference, the Broward County Code of Ordinances, Chapter 27. This may result in civil penalties and/or fines, depending on the severity of the resulting environmental pollution.

1.2 State of Florida Local Program Delegation
The State of Florida Department of Environmental Protection (DEP) has delegated Broward County Environmental Protection and Growth Management Department (EPGMD), the local wastewater collection system licensing program.
By submitting the appropriate DEP forms to EPGMD, you will also be fulfilling the requirements for the DEP collection/transmission system permits.

2 Licensing Requirements

2.1 Construction Projects Which Require Wastewater Licensing
Each non-contiguous project requires a separate application and fee pursuant to Florida Administrative Code, Rule 62-4.050(4)(s).
Pursuant to Chapter 27, "prior to any person constructing, extending, or altering a gravity sanitary sewer, sanitary force main, or pump station, that person shall obtain a county license".

2.1.1 This section of the Broward County Code applies to the following:

- Construction of a new gravity sewer, force main, and/or reuse lines.
- Construction of a new sanitary sewer pumping station.
- Increase in capacity of an existing gravity sewer and/or force main.
- Increase in capacity of an existing pump station.
- Relocation of an existing pump station or any portion of the sanitary system.
- Construction and development activity resulting in increased flow to the Wastewater treatment plant.
2.2 Construction Projects Which May Not Require Wastewater Licensing

Any other maintenance to a collection/transmission system may be exempt from licensing requirements. Some types of modifications require no changes in any existing permits and no evaluation by Broward County’s Environmental Engineering and Permitting Division Domestic Wastewater Program.

Examples of these include:

- Construction of laterals from a single building.
- Rehabilitation of an existing collection/transmission system as originally designed and permitted by EPGMD or predecessor agencies.
- Activities associated with routine maintenance.

2.3 Directions for Project Submission

- Electronic submittals through ePermits is recommended.
- All project information submittals should be in conformance with Chapter 10 of the 10 State Standards. Insufficient information will result in time delays while the required information is provided.
- All forms, reports, plans, design data, etc., submitted for construction licensing requires the signature and seal of a Registered Professional Engineer in the State of Florida (referred to as the Engineer of Record or Engineer).
- All application blanks MUST be completed as thoroughly as possible before submission.
- All information must be typed or printed in ink.
- All copies of the applications must to be signed by the applicant, engineer, owner of the sewage treatment plant, and the public utility maintaining and operating the new collection system and the receiving system.
- All signatures and letters of authorization must be original unless scanned copies are submitted electronically through the ePermits portal.

Incomplete project submissions will not be processed by EPGMD, and the package needs to be picked up from EPGMD unless the engineer/applicant chooses to discard the submittal.

2.3.1 Electronic Submittals via the ePermits Portal

Please be advised that submittals may be done electronically on the County’s ePermits website to expedite administrative processing of the application and to save paper. This allows flexibility when it comes to certifying the project as it can be certified online and will allow faster turnaround times on resubmittals.

For assistance regarding electronic submittals via the ePermits portal please consult the ePermits Application User Guide.

2.3.2 General Permit (Public Maintenance)

Construction project with public maintenance and is designed to all applicable standards and does not require a Request for Information for design clarification:

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One (1) copy of Florida DEP Form #62-604.300(8)(a) Notification/ Application for Constructing a Domestic Wastewater Collection/Transmission System indicating that you are applying for a general permit.

One (1) copy of the Broward County EPGMD Application to Construct a Wastewater Collection/Transmission System with the required 8-1/2" x 11" site plan attached.

One (1) set of engineering drawings no larger than 24" x 36" (folded to 9" x 12" maximum size), specifications, along with any design data, as prepared, signed and sealed by the Engineer.

The total fee made payable to the Broward County Board of County Commissioners.

The General Permit will be denied unless minimal standards are complied with. Additional DEP fees and/or applications are then required.

2.3.3 Individual Permit (Private and/or Public Maintenance)
For a plant moratorium, dry line, no manholes at terminus, project designs other than standard, etc., or which require a Request for Information for further staff review.

One (1) copy of DEP Form #62-604.300(8)(a) Notification/ Application for Constructing a Domestic Wastewater Collection/Transmission System indicating that you are applying for an individual permit.

One (1) copy of the Broward County EPGMD Application to Construct a Wastewater Collection/Transmission System with the required 8-1/2" x 11" site plan attached.

One (1) set of engineering drawings no larger than 24" x 36" (folded to 9" x 12" maximum size), specifications, along with any design data, as prepared, signed and sealed by the Engineer.

The total fee made payable to the Broward County Board of County Commissioners.

2.3.4 Reclaimed Water

One (1) copy of the Broward County EPGMD Application to Construct a Wastewater Collection/Transmission System with the required 8-1/2" x 11" site plan attached.

One (1) set of engineering drawings no larger than 24" x 36" (folded to 9" x 12" maximum size), specifications, along with any design data, as prepared, signed and sealed by the Engineer.

The total fee made payable to the Broward County Board of County Commissioners.

2.4 Minimum Design Information Requirements

- Gravity sewers using anything less than standard slopes or larger than 8" pipe requires a site analysis study detailing the non-standard requirements for staff

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A sewage pump station requires design calculations which consider superimposed pump curves, floatation calcs, and pipe sizes.

Any new project generating 10,000 GPD or larger flows into existing sanitary systems will require a study proving adequate system capacities through to the WWPT.

Existing sewage pump stations which have been in service for more than five years, or are approaching built-out condition, will require an operational assessment prior to new construction licensing.

All affected sewage pump stations shall be posted with a notice indicating the name and phone number of an emergency contact and other contact information as applicable for overflow cleanup of the facility. This notice shall be displayed with the minimum of 1" high block letters on the outside of the electrical panel, fence enclosure, or other conspicuous location.

- This is to include the following statement:
  “To report pollution, call Broward County Complaint Hotline at 519-1499”

Should the system be owned and maintained by a private entity, an addendum must be noted on the applications, prepared and signed/sealed by the Engineer of Record, and signed by the applicant. This addendum must address the agreement with the receiving public utility, and future maintenance of the system.

2.5 Certification of Completion of Construction Procedure

Upon completion of construction, and prior to usage of the system, DEP and EPGMD require:

1. DEP Form #62-604.300(7)(b), Domestic Wastewater Collection/Transmission Systems Certification of Completion of Construction. Any deviation to the original construction design must be noted.
   a. Gravity Sewer:
      Information submitted should include, but is not limited to lamping reports, leakage tests, etc.
   b. Lift Station:
      Information submitted should include, but is not limited to equipment manuals, pressure tests, lift station start-up reports, signage photo, copy of contracts, etc.

2. One full set of "as-built" record drawings submitted for approval, signed and sealed by the Engineer of Record. EPGMD may inspect projects prior to certification for compliance to standards. Therefore, these documents should be submitted prior to covering trenches. However, if paving of roads, pouring of sidewalks, planting and landscaping, etc., are done prior to EPGMD as-built approval, it shall not relieve the licensee from the responsibility for making any corrections to the sanitary sewer system as may be required by the county.
3. The current EPGMD as-built review fee of $100, made payable to the Broward County Board of County Commissioners. This fee is pursuant to Broward County Code of Ordinances, Chapter 27.

Once the system is approved for partial or final certification, a letter will be issued to the Engineer of Record, along with copies to the appropriate officials. A Certificate of Occupancy shall not be issued by the building permit authority unless the project as-builts have been approved by EPGMD, and approval letter issued. To do so is a violation of State and County Rules and Regulations and may be subject to enforcement action resulting in civil penalties and/or fines to all parties.

2.6 **As-built Deviations**

In staff’s review of as-built drawings, the following will be considered:

- Deviation from design slopes of ± 10% shall be considered.
- In addition, tolerance of ± 3/8" (.03') may be considered in manhole invert elevations where the slope deviation exceeds ± 10%. Note that when this calculation is used, the resulting slope must be equal to or greater than the design slope.
- No further deviations from design slopes, regardless how slight, shall be considered.

2.7 **Potable Water-Sanitary Sewer-Reuse Water Separation Notes**

The following statements must be included on all plans for sewage collection/transmission systems and/or reuse water mains to meet the minimum requirements of the Florida Department of Environmental Protection and the Broward County Environmental Protection and Growth Management Department.

- **Vertical Crossings:**
  - Sanitary sewer systems and/or reuse water mains shall cross under potable water mains whenever physically possible. Sanitary sewers systems and/or reuse water mains crossing below potable water mains shall be laid to provide a minimum vertical separation distance of 18 inches between the invert of the potable water main and the crown of the lower pipe.

- **Horizontal Separations:**
  - Wherever it is physically possible:
    - Sanitary sewer systems require a minimum of a 10-foot horizontal separation distance between any potable water main parallel installations.
    - Reuse water mains require a minimum of a 5-foot center to center (absolute minimum of 3 foot outside to outside of pipe) horizontal separation distance between any potable water main and/or a sanitary sewer system parallel installation.
    - Wherever either are not physically possible, then the potable water main shall be laid at the maximum physical horizontal separation distance possible, and either laid:
• In a separate trench;
• On an undisturbed earth shelf;
• With a minimum vertical separation distance of 18 inches provided between the invert of the potable water main and the crown of the lower pipe, thus conforming to the minimum Vertical Crosings in paragraph 1.

• Conflicts:
  o Wherever it is not possible to maintain the minimum standards in 1) and 2), then all piping material shall be ductile iron pipe (DIP). All DIP shall be class 50 or higher. Adequate protective measures against corrosion shall be used as determined by the design and site conditions. Additionally, all joints on the potable water main, within 20 feet of the conflict, shall be mechanically restrained. An absolute minimum vertical separation distance of 6 inches shall be provided between the invert of the upper pipe and the crown of the lower pipe.

Note: The water/sewer separations specified by the Rule 62-555.314, F.A.C., are also acceptable standards for permit issuance by EPGMD.

2.8 Peaking Factors
The appropriate peaking factor must be used to size all sewer systems. Chapter 23 of the 10 State Standards serves as a good reference in determining this factor.

2.9 Project Modifications
If, for any reason, a project’s design needs to be modified after the EPGMD license is issued, a written Project Modification Request must be submitted to EPGMD by the Engineer of Record prior to construction of the modifications. The written Project Modification Request should include the following items:
  1. A letter from the Engineer of Record describing purpose and design of the proposed modifications.
  2. A plan set, signed and sealed by the Engineer of Record, showing the proposed modifications.

2.10 License Extension Procedure
When the construction project will still be incomplete by the expiration date on the EPGMD license, the following items must be submitted for consideration to EPGMD by the applicant and Engineer of Record:
  1. A time extension request letter, stating the reasons for the project delay, and signed by all the signatories of the original license.
  2. A copy of the original license.
  3. The current EPGMD one-year time extension fee review fee of $210.00, made payable to the Broward County Board of County Commissioners. This fee is pursuant to Broward County Code of Ordinances, Chapter 27.

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Requests for the time extension of a wastewater collection transmission system license should be received at the EPGMD office 60 to 30 days prior to the expiration date. Any requests received after the expiration date of the existing license, or after five years from the original issue date, will be denied. New project applications, current fees, drawings, etc., will then be required.
3 Design of Sanitary Sewer System Standards

3.1 Slopes:
Gravity sewers shall be designed at slopes not less than the minimum recommended by the "Recommended Standards for Wastewater Facilities," 1997 edition.

Systems utilizing larger than 8" pipe require the following to be considered:
1. Design calculations proving that the project flow generated requires the larger size pipe.
2. Plans must show existing pipe to be of equal or larger pipe.

3.1.1 Table 1 Slope Chart

<table>
<thead>
<tr>
<th>Sewer Size</th>
<th>Minimum Slope in Feet per 100 Feet (m/100m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 inch (20 cm)</td>
<td>0.40</td>
</tr>
<tr>
<td>9 inch (23 cm)</td>
<td>0.33</td>
</tr>
<tr>
<td>10 inch (25 cm)</td>
<td>0.28</td>
</tr>
<tr>
<td>12 inch (30 cm)</td>
<td>0.22</td>
</tr>
<tr>
<td>14 inch (36 cm)</td>
<td>0.17</td>
</tr>
<tr>
<td>15 inch (38 cm)</td>
<td>0.15</td>
</tr>
<tr>
<td>16 inch (41 cm)</td>
<td>0.14</td>
</tr>
<tr>
<td>18 inch (46 cm)</td>
<td>0.12</td>
</tr>
<tr>
<td>21 inch (53 cm)</td>
<td>0.10</td>
</tr>
<tr>
<td>24 inch (61 cm)</td>
<td>0.08</td>
</tr>
<tr>
<td>27 inch (69 cm)</td>
<td>0.067</td>
</tr>
<tr>
<td>30 inch (76 cm)</td>
<td>0.058</td>
</tr>
<tr>
<td>36 inch (91 cm)</td>
<td>0.046</td>
</tr>
</tbody>
</table>

Slopes greater than these are preferable.

The following must be designed by these minimal standards:
- The upper 400 linear feet of any project.
- If drop manholes and/or excessive elevation drops within the manhole are utilized for the common trunk line, the entirety of the project. (This excludes the

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feeder systems which flow into a trunk line system.)

Any specific site which, by staff review, does not require lesser slopes.

These requirements may be waived if site-specific conditions show them to be unattainable. A DEP Individual Permit will then be required.

For the remaining slopes, the following requirements for velocity must be met.

3.2 Velocity:

Pursuant to Chapter 27, "gravity sewer design shall provide a minimum flow velocity of two (2) feet per second when the pipe is flowing full or half full".

This velocity shall be computed based upon the Manning equation and a minimum $n=0.012$ (for PVC pipe).

The design engineer may select another appropriate $n$ factor, provided that adequate technical justification is submitted to EPGMD staff for approval. In no case shall an $n$ value less than 0.012 be selected.

3.2.1 Table 3 Velocity Calculations

<table>
<thead>
<tr>
<th>Pipe Size</th>
<th>VCP/DIP ($n=0.013$)</th>
<th>PVC ($n=0.012$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>0.33%</td>
<td>0.28%</td>
</tr>
<tr>
<td>10&quot;</td>
<td>0.25%</td>
<td>0.21%</td>
</tr>
<tr>
<td>12&quot;</td>
<td>0.20%</td>
<td>0.17%</td>
</tr>
<tr>
<td>15&quot;</td>
<td>0.15%</td>
<td>0.12%</td>
</tr>
<tr>
<td>18&quot;</td>
<td>0.11%</td>
<td>0.10%</td>
</tr>
<tr>
<td>21&quot;</td>
<td>0.09%</td>
<td>0.08%</td>
</tr>
<tr>
<td>24&quot;</td>
<td>0.08%</td>
<td>0.07%</td>
</tr>
</tbody>
</table>

3.3 Design of Sewage Pumping Stations:

Information is to be provided on each pump station serving the project. Each station shall be submitted on a separate application. A set of engineering design calculations for the stations shall be submitted. This should include an analysis of the flow generated by the project, the hydraulics of the system, an analysis of the buoyancy of the station, and a pump/system curve. Pump station information submittal shall be in conformance with Chapter 10 of the 10 State Standards. Pump station design shall be in conformance with FAC 62-604, and Chapter 30 of the 10 State Standards.

3.4 Design of Force Main:

Force main velocities at design average flow must attain a velocity of 2 feet per second. An
automatic air relief valve shall be placed at high points in the force main to prevent air locking. The force main and fittings including reaction blocking shall be designed to withstand normal pressure and water hammer (surges). Friction losses through force mains may be determined using the Hazen-Williams formula, or other acceptable methods.

Force mains connected to gravity sewer systems shall enter the receiving manhole at not more than 2 feet above the flow line. The force main effluent shall be directed at the manhole outlet.

### 3.5 Design Flow Standard Chart:

Based on the Broward County Code of Ordinances, Chapter 27, Section 27-201, the following unit flows shall be used in determining hydraulic loadings of sanitary sewers anticipated from proposed projects:

#### 3.5.1 Sanitary sewer connections estimated wastewater flows:

The unit flows as indicated below shall be used in determining hydraulic loadings of sewers and wastewater treatment plants anticipated from proposed projects. For purposes of this code an equivalent residential connection (ERC) shall be 300 gallons per day. For special purpose structures not included in these categories, EPGMD shall apply good engineering judgement in estimating flow.
### 3.5.2 Table 3 Design Flow Chart

<table>
<thead>
<tr>
<th>Type of Structure</th>
<th>Specific Condition</th>
<th>Per Unit (Gallons per day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airports, bus terminals, train stations, port &amp; dock facilities:</td>
<td>(a) per passenger</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>(b) add per employee per 8 hour shift</td>
<td>20</td>
</tr>
<tr>
<td>Assembly Halls</td>
<td>(a) per seat</td>
<td>2</td>
</tr>
<tr>
<td>Barber and beauty shops</td>
<td>(a) per dry service chair</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>(b) per wet service chair</td>
<td>200</td>
</tr>
<tr>
<td>Bar and cocktail lounges (no food service)</td>
<td>(a) per seat</td>
<td>20</td>
</tr>
<tr>
<td>Bowling alleys</td>
<td>(a) per lane (no food operation)</td>
<td>100</td>
</tr>
<tr>
<td>Camps</td>
<td>(a) day, no food service</td>
<td>25</td>
</tr>
<tr>
<td></td>
<td>(b) luxury resort, per person</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>(c) labor, per person</td>
<td>100</td>
</tr>
<tr>
<td>Camper or RV trailer park</td>
<td>(a) per space</td>
<td>150</td>
</tr>
<tr>
<td>Car wash</td>
<td>(a) automatic type</td>
<td>3500</td>
</tr>
<tr>
<td></td>
<td>(b) automatic type</td>
<td>350</td>
</tr>
<tr>
<td></td>
<td>(c) hand wash</td>
<td>1750</td>
</tr>
<tr>
<td>Churches</td>
<td>(a) per sanctuary seat</td>
<td>3</td>
</tr>
<tr>
<td>Dance halls</td>
<td>(a) per person</td>
<td>2</td>
</tr>
<tr>
<td>Dentist offices:</td>
<td>(a) per dentist</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>(b) plus per wet service chair</td>
<td>200</td>
</tr>
<tr>
<td>Doctor offices:</td>
<td>(a) per physician</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>(b) plus per square foot of office space</td>
<td>0.20</td>
</tr>
<tr>
<td>Drive-in theater</td>
<td>(a) per car space</td>
<td>5</td>
</tr>
<tr>
<td>Fire station</td>
<td>(a) per bed</td>
<td>100</td>
</tr>
<tr>
<td>Health spa</td>
<td>(a) per square foot (does not include food service)</td>
<td>0.35</td>
</tr>
<tr>
<td>Hospitals and nursing homes</td>
<td>(a) per bed space</td>
<td>210</td>
</tr>
<tr>
<td></td>
<td>(does not include public food service areas and offices)</td>
<td></td>
</tr>
<tr>
<td>Institutions</td>
<td>(a) per person (including resident staff)</td>
<td>100</td>
</tr>
<tr>
<td>Kennels</td>
<td>(a) per animal space</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>(b) per veterinarian</td>
<td>250</td>
</tr>
<tr>
<td>Laundries</td>
<td>(a) per coin-operated machine</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>(b) per commercial not coin-operated machine</td>
<td>650</td>
</tr>
<tr>
<td>Marinas</td>
<td>(a) per boat slip (Does not include office, repair &amp; leisure facilities)</td>
<td>40</td>
</tr>
<tr>
<td>Office Building</td>
<td>(a) per square foot of floor space</td>
<td>0.20</td>
</tr>
<tr>
<td>Parks, public with comfort stations</td>
<td>(a) per visitor</td>
<td>10</td>
</tr>
<tr>
<td>Pet grooming parlors</td>
<td>(a) per wash basin (does not include retail sales)</td>
<td>200</td>
</tr>
<tr>
<td>Recreation/pool buildings</td>
<td>(a) per person</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>(300 gallon minimum)</td>
<td></td>
</tr>
<tr>
<td>Residences</td>
<td>(a) Single family, detached each</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>(b) Multiple family per dwelling unit</td>
<td>250</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Building Type</th>
<th>Unit of Measurement</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>(c) Motel/hotel units, per bedroom</td>
<td></td>
<td>150</td>
</tr>
<tr>
<td>(d) Bedroom additions to single family residence</td>
<td>per bedroom including bar</td>
<td>150</td>
</tr>
<tr>
<td>(e) Mobil homes, each</td>
<td></td>
<td>300</td>
</tr>
<tr>
<td><strong>Restaurants</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(a) open 24 hours, per seat including bar</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>(b) open less than 24 hours, per seat including bar</td>
<td></td>
<td>30</td>
</tr>
<tr>
<td>(c) open less than 24 hours, with drive-through window, per seat including bar</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>(d) drive-ins, per space</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>(e) carry out food service only per 100 square feet</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td><strong>Schools:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Elementary/Middle</td>
<td>(a) per pupil per day</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>(b) add for shower/pupil</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>(c) add for cafeteria/pupil</td>
<td>5</td>
</tr>
<tr>
<td>High School</td>
<td>(a) per pupil per day</td>
<td>15</td>
</tr>
<tr>
<td></td>
<td>(b) add for shower/pupil</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>(c) add for cafeteria/pupil</td>
<td>5</td>
</tr>
<tr>
<td>Boarding School</td>
<td>(a) per pupil</td>
<td>100</td>
</tr>
<tr>
<td>Service stations and auto repair shops</td>
<td>(a) per water closet</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>(b) plus per service bay</td>
<td>100</td>
</tr>
<tr>
<td>Shopping centers and retail shops</td>
<td>(a) per square foot of floor space</td>
<td>0.10</td>
</tr>
<tr>
<td></td>
<td>(does not include food service or laundry)</td>
<td></td>
</tr>
<tr>
<td>Theaters and auditoriums</td>
<td>(a) per seat</td>
<td></td>
</tr>
<tr>
<td>Warehouse, mini-storage, with resident manager</td>
<td>(a) per square foot of floor space</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(b) plus residence</td>
<td></td>
</tr>
<tr>
<td>Warehouses</td>
<td>(a) per square foot of floor space</td>
<td></td>
</tr>
</tbody>
</table>
4 References

*Commonly referred to as the 10 State Standards*

Health Education Service Division  
P. O. Box 7126  
Albany, New York 12224  
(518) 439-7286 FAX (518) 439-7286  
www.hes.org

W.P.C.F.  
601 Wythe Street  
Alexandria, Virginia  
22314-1994

Florida Administrative Code, Chapter 62-604

Broward County Code of Ordinances, Chapter 27

**General Information:**  
The following is a courtesy list of other Divisions within EPGMD and other State Agencies which may have plan review and licensing requirements for land use and civil engineering construction projects.

1) Land Use and Permitting Division should be consulted on the first round of platting.  
2) Odor Control – Air Quality Program  
3) Parking Areas - Surface Water Management Program  
4) Dredge and Fill - Aquatic and Wetlands Resources Program  
5) Trees - Tree Preservation Program  
6) Water Distribution System - Florida DEP (State)  
7) Septic Tanks - Broward County Health Department (State)  
8) Industrial Wastewater - Non-Domestic and NPDES Programs, and Wastewater Treatment Plant pretreatment program serving the address (NOTE: No septic tanks are allowed)

*Additionally, almost all levels of local government will have specific permitting/licensing and construction requirements.*

Guide for Consulting Engineers  
How to Apply for a Domestic Wastewater Collection/Transmission System Construction License