

ARTICLE 4-BUILDING SEWER CONNECTION PERMITS AND REQUIREMENTS

4.1 Mandatory Connections

The owner of any building or property generating sanitary or industrial wastewater situated within the District and abutting on any street, alley, or right-of-way in which a public sewer is located, is required, at his or her own expense, to construct a building sewer and connect it to the public sewer. Structures required to connect shall include, but not be limited to, industrial and commercial facilities, single family or multi-family residential properties, all subdivisions, publicly owned buildings, and non-profit institutions.

4.2 Direct Connections

No person(s) shall uncover, make any direct connection with or opening into, use, alter, disturb, tamper with, construct, enlarge, alter, move or change the use or occupancy of a building or structure that will increase flow by more than twenty percent (20%) to any NBC owned sewer or appurtenance thereof without first being granted a written permit from the NBC. The NBC may require the owner at his or her own expense to perform appropriate testing of any of the materials and/or integrity of the sewer connection.

4.3 Indirect Connections

The requirements of this section shall apply to all persons that indirectly discharge or propose to discharge to the NBC sewer system and Wastewater Treatment Facilities via an indirect connection through sewer lines owned by a local municipality or other entity. The NBC shall review all building use or occupancy changes that may result in an increase of flow by more than 20% and all proposed indirect sewer connections to ensure that NBC facilities can accommodate the proposed quantity and quality of sanitary or industrial wastewater.

No person(s) shall make any indirect connection or construct, enlarge, alter, move or change the use or occupancy of a building or structure that will increase the flow by more than twenty percent (20%) to any NBC owned sewer or appurtenance thereof without first being granted a written permit from the NBC.

The NBC may require the owner, at his or her own expense, to perform appropriate testing of any of the materials and/or the integrity of the sewer connection.

4.4 Stormwater Connections

No person(s) shall make direct or indirect connections or shed stormwater from roof down spouts, foundation drains, areaway drains, or other sources of stormwater which in turn are connected to any public sewer unless the NBC determines that a combined sewer is the only reasonable means available for disposal and such connection receives NBC approval. It shall be the responsibility of the user to execute, and bear the cost of, a Storm Water Mitigation Plan if required by the NBC in this regard. The Storm Water Mitigation Plan, may include, but not be limited to, the following studies and/or evaluations:

- A. Investigation of mitigating measures to eliminate or reduce storm flow from the project;
- B. The use of Low Impact Development and Design methods to eliminate or reduce storm flow from the project;
- C. Best Management Practices approach to stormwater management to eliminate or reduce storm flow from the project;
- D. Investigation of alternative options available to direct discharges into natural waterways;

The NBC shall consider the following factors with regard to making the determination as to permit the discharge of stormwater to the sanitary sewer system: (Not in any order of priority)

- A. The present condition of areaway basin at the point of the proposed storm connection;
- B. The potential impact of the proposed connection on the existing downstream connection;
- C. The economic impact of the proposed connection on the NBC and

- the applicant; and
- D. Any measures taken by the applicant to separate present and future flows, and to mitigate storm flows from the project.

4.5 Sewer Alteration Permit

Any person(s) planning to initiate construction which will modify or expose structures such as, but not limited to, manholes, catch basins, and sewers owned by the NBC must obtain a sewer alteration permit before performing any alterations to the NBC's facilities. The sewer alteration permit application must be obtained from the NBC and the applicant shall submit the completed application and any required information prior to the issuance of a sewer alteration permit. The sewer alteration permit application information required includes, but is not limited to, the following:

- A. Contact name, company name, address and phone number.
- B. Description of the project along with a sketch or map identifying the location of the project and a drawing which indicates at least two points of reference with distance measurements corresponding to each structure or connection to be altered.
- C. Method(s) which will be utilized to prevent debris from entering NBC sewers.

4.6 Sewer Connection Permits Required

The owner(s) of any property subject to the provisions of Sections 4.2 , 4.3, 4.4, or 4.5 above must obtain a permit in accordance with said articles. Such permit shall be effective for six (6) months from the effective date of the permit and shall be renewable at the NBC's option for one additional six (6) month period. Said renewal shall be requested by the owner at least two (2) weeks prior to the expiration date.

4.7 Transfer of Permits Not Allowed

Permits are issued to a specific applicant for a specific use and connection. A permit shall not be reassigned, transferred or sold to a new owner, new user, different premises, or a new or changed operation without written NBC

approval.

4.8 Building Sewer Connection Permit Application

Persons seeking a sewer connection permit must complete and file an application with the NBC, together with any applicable permit fee. The sewer connection permit application shall include, but not limited to, the following information:

- A. Name of applicant and address of premise(s) which applicant wishes to connect to the NBC's facilities;
- B. Overall site plan and plot plan;
- C. Detailed plans of the proposed sewer connection;
- D. The location of each connection to the sewer line;
- E. The proposed use of the property to be connected to the sewer;
- F. Any other pertinent features, specifications or information which the NBC may require to assist in its evaluation of the application.

The NBC may require that any and all designs and/or drawing plans which include mechanical or plumbing components be stamped by a licensed Rhode Island Professional Engineer. All applications for building sewer connection permits must be signed by the owner of the premises and the licensed plumber or licensed drain layer who is constructing the sewer connection. The NBC shall evaluate the data furnished by the owner and may require additional information pertinent to the application. Based on the application, the NBC may issue a building sewer connection permit, subject to the terms and conditions enumerated in the permit. The NBC may deny a request for a permit when the information supplied indicates the user will be unable to reasonably meet the NBC's standards. Any person denied a permit may request a hearing in accordance with the provisions of Article 10 herein.

4.9 Municipal User Lists

Upon request, each municipality shall furnish the NBC with a list of all users within the municipality. Each municipality that has authority over building

permits, shall require all persons proposing to connect to the facilities and who are required to obtain a permit from the NBC to do so prior to the issuance of a building permit by said municipality. Each municipality shall notify the NBC of all applications for building permits for structures subject to the provisions of Sections 4.2 and 4.3 above.

4.10 Expedited Permit Process

Application for an expedited permit must be made in accordance with the Expedited Permit Process, R.I.G.L. §42-117-1 et seq. which requires that the potential permittee file a Certificate of Critical Economic Concern at the time of filing any necessary permit application with the NBC. Upon receipt of said Certificate and in accordance with R.I.G.L. §42-117-1 et seq., the NBC shall give priority to the handling and processing of the permittee's application.

4.11 Permit Conditions

Persons seeking Sewer Connection and/or Sewer Alteration permits shall be expressly subject to specific permit provisions contained therein as well as to provisions of these Rules and Regulations and all other regulations, user charges and fees established by the NBC. Permit conditions may include, but are not limited to, the following:

- A. Compliance with Federal, state, and other governmental laws, rules and regulations;
- B. Requirement for the submittal of "as-built" plans within sixty (60) days after the final inspection by the NBC, indicating pipe and joint materials and applicable ASTM specifications on the plans;
- C. Requirements for use of water-conserving fixtures in the proposed structure or dwelling;
- D. Implementation of Low Impact Design and Best Management Practices approach to stormwater management and mitigation;
- E. Requirement for obtaining necessary town or city permit and compliance with any applicable town or city requirements;

- F. Provisions for authorized NBC personnel and agents to enter and inspect the premises;
- G. Requirement for posting of performance bonds for materials and/or labor costs associated with such permitted sewer connection;
- H. The Sewer Connection Permit must be posted on site until the construction is completed;
- I. The sewer line may be required to be televised before and after the construction to ensure the structural integrity;
- J. The soil activity near and around all NBC facilities in the area of construction may be required to be monitored; and
- K. Any other reasonable conditions necessary to ensure compliance with the provisions of R.I.G.L. §46-25-1 et seq.

4.12 Building Sewer Connection Plans

Persons seeking a building sewer connection permit must submit plans in accordance with the requirements set out in Section 4.8 above. In addition, such plans must meet the following specifications:

- A. All plans must show a "North" arrow and shall be oriented so the "North" arrow points upward or to the right-hand side of the plan; and
- B. All plans must be identified by titles which describe the nature of the project or the work encompassed on the plan; and
- C. All plans submitted for subdivision developments must bear the stamp, seal and signature of a licensed Rhode Island Professional Engineer responsible for the design.

Such plans and specifications shall be in conformance with applicable and appropriate standards of the ASTM and WEF or other standards the NBC may require or deem appropriate. Review by the NBC does not constitute any form of guarantee or insurance with respect to performance of the sewers or other

wastewater facilities proposed. The NBC does not assume responsibility for means, methods or techniques used, or for the safety of construction work on the site or for compliance with applicable laws and regulations other than those found herein.

4.13 Flow Monitoring/Impact Analysis

Persons seeking a building sewer connection permit who anticipate the flow into the sewer from their proposed structure or dwelling to exceed 2,000 gallons per day must demonstrate to the NBC through flow monitoring that the NBC sewer line to which the person proposes to connect has the capacity to accept the proposed additional flow.

4.14 Discharge From Swimming Pools

The NBC shall be notified by the owner of the proposed discharge of water from a swimming pool to a public sewer. The NBC shall have the right to approve or deny the request, designate the time and rate of flow permitted, and to enter upon the premises to inspect the project prior to and during that operation. If an owner fails to provide such notification or disregards instructions, whether accidentally or intentionally, the owner will be held responsible for any damage that may be caused from such discharge subject to the enforcement powers contained in these Rules and Regulations, and the NBC shall not be held liable for said violation.

4.15 Grease Removal Systems

Grease removal systems must be installed at all connections to the NBC's facilities from users' conducting food preparation or food processing operations including, but not limited to, restaurants, nursing homes, schools, hospitals, or other connections which discharge or have the potential to discharge quantities of grease to the NBC's facilities in excess of allowable standards. Installation of a grease removal system shall be required when the NBC determines that such discharge could result in obstruction to flow in the sewer or accumulations of grease which could result in obstruction to flow in the sewer. Grease removal systems must be installed according to the following specifications:

- A. No wastewater, other than from kitchen fixtures or food processing equipment, shall discharge into the grease removal system unless

approved by the NBC in writing. Wastewater from sanitary sources such as toilets and bathroom sinks is prohibited from being discharged to the grease removal system.

- B. Any user required to install a grease removal system must install either (1) an outdoor passive in-ground grease interceptor, or (2) an automatic electrical/mechanical grease removal unit.
- C. In-ground grease removal systems shall have a minimum depth of four (4) feet and a minimum capacity of five hundred (500) gallons, and shall have sufficient capacity to provide at least twenty four (24) hour detention period for the process flow. The minimum process flow shall be based on fifteen (15) gallons per seat or chair per day or based upon actual water usage for existing facilities.
- D. A suitable sampling location shall be provided for sampling of the discharges from grease removal systems. Any plans for such grease removal systems as required in this Section shall be submitted for NBC review and approval prior to installation. The NBC must be notified seventy-two (72) hours prior to installation of any grease removal device in order to inspect and oversee the installation. All automatic electrical/mechanical grease removal systems must have a sampling valve installed on the discharge piping with a minimum clearance of eight (8) inches for the installation of sampling bottles.
- E. The owner(s) shall be responsible for cleaning and maintaining the grease removal systems and shall maintain records of the dates of cleaning and means of disposal, subject to review by the NBC. Any removal and hauling of the collected materials not performed by the owner(s) must be performed by licensed waste disposal firms.
- F. All wastewater from food preparation operations and/or washing and clean-up operations, including but not limited to pot sinks, pre-rinse stations, wok stations, soup kettles, braising pans, mop sinks and wastewater generated from exhaust fan hood cleaning operations must discharge to the grease removal device. All automatic dishwasher wastewater, excluding pre-rinse stations must bypass the grease removal device and be discharged directly into the sewer system.

- G. Garbage disposal units may only be installed in facilities with properly sized and operational in-ground passive type grease interceptors which have been properly designed for retention of settleable solids. Garbage disposal units are prohibited in all other commercial or industrial facilities. Garbage disposal waste shall not be discharged into automatic electrical/mechanical type grease removal systems.

4.16 Connection Costs

All costs and expenses incidental to the installation and connection of the building sewer shall be borne by the owner(s). The owner(s) shall indemnify and hold harmless the NBC from any loss or damage that may result from the installation of the building sewer.

4.17 Building Sewers

A separate and independent building sewer shall be provided for every building; except where one building stands at the rear of another or on an interior lot and no private sewer is available or can be constructed to the rear building through an adjoining alley, court, yard, or driveway, then the building sewer from the front building may be extended to the rear building and the whole may be considered as one building sewer. All building sewers shall conform to all federal, state, and local governmental laws, rules and regulations.

4.18 Existing Building Sewers

Existing building sewers may not be used for direct or indirect connections for a new building unless a permit has first been granted in accordance with Sections 4.2 and 4.3 of this Article.

4.19 Building Sewer Construction

The size, slope, alignment, materials of construction of a building sewer, and the methods to be used in excavating, placing the pipe, jointing, testing, and back filling the trench, shall all conform to the requirements of applicable governmental codes or other Rules and Regulations of the NBC. In the absence of code provisions or in accordance with, the materials and procedures set forth in appropriate specifications of the ASTM and WEF Manual of Practice No. 9 shall apply.

4.20 Building Sewer Elevation

If the elevation at which the building sewer enters the building is lower than the elevation of the crown of the public sewer at the point of connection, at least one check valve shall be installed in the building sewer or building drain in an accessible location to prevent backflow. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be lifted to the public sewer by a pump and a check valve shall be installed in an accessible location to prevent backflow. Whenever a check valve has to be installed in accordance with the provisions of this paragraph, it shall be installed and maintained at the owner's expense.

4.21 Temporary or Permanent Connection Abandonment

An owner may abandon a sewer connection on a temporary or permanent basis with formal written notice to the NBC. In the event that an owner desires to disconnect the building sewer connection from the NBC's sewer, the owner shall not be permitted to remove that portion of the service line between the NBC sewer and the property line, but at the owner's expense the service line shall be capped at said property line, and the service line shall be removed from the property line to the structure. New service lines to replace existing service lines shall not be approved by the NBC until old service lines are removed and properly capped. Such cap shall be installed to prevent the escape of wastewater, gases or infiltration of groundwater. Disconnection of indirect sewer connections shall be sealed in accordance with the sample procedures and must conform to requirements established by the local municipality that owns the sewer line.

4.22 Clean Outs

Clean outs shall be installed where the distance from the building to the main sewer is greater than one hundred (100) feet or where bends greater than forty-five (45) degrees are used in the building sewer. Clean outs shall be made by installing a "Y" and one-eighth (1/8) bends of the same diameter as the building sewer, or a maximum of 4 inches. The clean outs shall ordinarily be installed at the point of connection between the building sewer and the outside part of the house plumbing system at curves on the building sewer to the main sewer. The clean out shall be brought up from the building sewer to four (4) inches below ground level and be properly capped. Locations of all clean outs shall be recorded and turned over to the NBC.

4.23 Safety Requirements

All excavations for building sewer installation shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored in a manner satisfactory to the NBC and the municipality.

4.24 Interference with Traffic Flow

No contractor shall block any driveway, street, road or railroad at any time without the permission of any controlling agencies. Every effort shall be made to permit the movement of vehicular traffic at all times. Whenever it becomes necessary to cross or interfere with roads, walks, or drives, whether public or private, the contractor shall maintain, at his or her expense, safe bridges or other means of ingress and egress.

4.25 Notice to the NBC

After a permit has been issued, the NBC shall be given forty-eight (48) hours notice before any construction or excavation work is begun on any direct or indirect connection. All work shall be performed by a licensed plumber or drain layer. If the NBC has not been properly notified, it may require the completed work to be uncovered for examination, at the owner's expense. (See Article 10).