

## **SECTION 6 INDUSTRIAL & COMMERCIAL SERVICES**

Industrial and commercial establishments, making application for water/or sanitary sewer service in addition to making written application for such services, shall furnish a detailed description of the type and size of buildings, and nature of the business to be conducted in each structure, the number and type of fixtures to be served, the type, volume and chemical characteristics of the waste to be discharged. Such applicants shall also furnish the Authority two (2) copies of 24" x 36" or 36" x 42" plans showing at a scale no less than 1" = 100', the following:

- a) The boundaries of the property.
- (b) The location within the property of the structures to be served.
- (c) The location and profile, with respect to finished grade of the services.
- (d) Details of the proposed connections to the sewerage system, and arrangement and details of meter and sampler installation, should they be required.

### **6.1 Agreement Required**

The Authority will accept industrial wastes into the sanitary sewage system, upon execution of a formal, written agreement, and under and subject to the provisions appearing in said agreement, and the rules stated hereinafter. The agreement will set out in detail the characteristics of the wastes, the flow conditions which shall govern, the conditions and costs with respect to the physical connection or connections, and the annual service charges. It will be the policy of the Authority to consider each application on its merits, and to establish specific conditions applicable to the particular situation, for each agreement. No connection shall be made prior to execution of the agreement. Each agreement shall have stipulated time limits for connection after which it shall become null and void at the discretion of the Authority.

### **6.2 Application for Construction Approval for Commercial or Industrial Applicants - Form F**

#### **6.2.1 Purpose of Application**

This application and supporting data specifying the engineering details of the proposed project will be analyzed for compliance with the Authority engineering standards including the provision for orderly growth. The final condition of approval will be a mutual agreement between the applicant and the Authority regarding the terms and conditions for providing water and sewer service.

## **6.2.2 Forms and Supporting Data**

### **FORM F: SITE PLAN - COMMERCIAL OR INDUSTRIAL - APPLICATION FOR REVIEW OF PLANS FOR PUBLIC SEWER AND/OR WATER.**

Supporting data shall consist of two (2) sets of drawings, reports, and other pertinent data describing details of the sanitary sewer system and water distribution systems, including fire hydrants, private fire service and sprinkler systems as approved by the Fire Marshal. If additional data is required after the initial review, the applicant will be contacted to submit same to the Authority.

## **6.2.3 Fees**

Filing Fee: \$50.00 Sewer and \$50.00 Water.

Review Fee: \$750.00 for water and \$750.00 for sewer for the first 5,000 square feet or any portion thereof and \$300.00 for each additional 5,000 square feet or any portion thereof for both water and sewer.

Minimum amount to be placed in escrow fund necessary to initiate professional review of sewer and/or water systems will be \$1,500.00.

It is the policy of the Authority to charge review fees for connection to its water and sewer system following the attached rates of schedules. An offset to the review fee may be considered, at the discretion of the Authority, for uses where excessive water distribution and sewer collection is not required by the permitted use of the facility.

Inspection Fee: 5% of the total sewer construction cost, as verified by the Authority Engineer. (Minimum of \$750.00.)

## **6.2.4 Action by the Authority**

The application and supporting data will be reviewed by the Authority. If it is determined that it is feasible to extend service and that the plans are in compliance with Mantua Township M.U.A. Rates, Rules and Regulations, the applicant will be notified of the Authority approval and the connection fee. Upon receipt of the fee, the sewer and water permits will be issued to the applicant and to the Building Inspector.

The actual amounts of review and inspection fees shall be based on vouchers and all surpluses shall be returned to the applicant when the respective phases are completed. In the event that the costs of review are more than deposited, the applicant shall pay the additional cost prior to final approval by the Authority.

Six (6) sets of completed constructions will be required prior to the preconstruction meeting. The Authority Superintendent will stamp these plans for distribution prior to construction. All bond estimates shall be approved and escrow fees paid prior to the pre-construction meeting.

## **6.2.5 Failures to Tie In**

Should the applicant fail to tie-in or connect to the sanitary sewerage or potable water system within the time period specified in the agreement or if not specified in the agreement, within two (2) years of the issuance of the Permit to do so. The Authority reserves the right to inform the applicant that the Permit will be considered void within thirty (30) days of said notice. If the Applicant fails to complete the connection within that thirty (30) days period, the Authority will notify the Applicant that the Permit is void and return the appropriate funds.

Reactivation of the Permit will subject the Applicant to compliance with the rates and connection fees applicable at the time of reactivation.

Prior to approving an application for a connection involving the acceptance of industrial wastes, the applicant shall submit complete data with respect to the following:

- (a) Completed Industrial Sewer Connection Application, Form F (See sample of Form F in back portion of Section 7).
- (b) Average, maximum and minimum rates of flow to be expected daily and seasonally.
- (c) Flow diagram, showing points of application of chemicals, type and quantity of each chemical used per day and per shift, a schedule of operations, expected chemical characteristics of the untreated wastes, and the point or points of connection to the sewerage system. The normal situation will require the separation of, and separate points of connection for domestic sewage and industrial wastes for each industrial establishments.

### **6.3 Prohibited Wastes**

Waste containing the following substances or possessing the characteristics listed below, will not be accepted:

- (a) Any vapors or steam.
- (b) Any fluids with temperature in excess of 110 degrees Fahrenheit.
- (c) Any fluid wastes which contain in excess of 40 Mg/L of fat, oil or grease, either vegetable or mineral.
- (d) Any volatile, explosive, or flammable substances such as benzene, gasoline, naphtha, fuel oil or similar substances, hydrocarbons.
- (e) Any solids or viscous matter which may cause any interference with the flow of wastes; such as ashes, cinders, concrete, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, paunch manure, hair or similar substances. Equipment or trucks carrying such materials shall not be washed and this water discharged into the system.
- (f) Any fluid wastes having a pH value less than 6.0 or in excess of 9.0 or possessing other properties capable of causing damage or creating a hazard to sewers, structures, treatment process, equipment or operating personnel.

- (g) Any wastes containing toxic or poisonous substances in sufficient concentration to interfere with the sewage treatment process or cause injury to animals or persons, or to create an unacceptable condition in receiving streams.
- (h) Any noxious or malodorous gas or substance, which is capable of causing a public nuisance.
- (i) Any radioactive substances.
- (j) Any wastes containing components which exceed limits set forth by the county, state or federal regulatory agencies.

#### **6.4 Grease, Oil and Sand Separators**

When, in the reasonable opinion of the Authority Engineer, grease, oil and sand interceptors or oil reclaimers are required, they shall be provided and maintained at the expense of the owner, in continuously efficient operating condition. Grease and oil interceptors shall be constructed of impervious materials, capable of withstanding abrupt and extreme changes in temperature. They shall be watertight, substantially constructed and equipped with readily removable access covers. Where deemed necessary, cold water sprays shall be installed. The design and pertinent data, including maintenance schedule, shall be submitted to the Authority for review and approval, prior to construction or installation. Separators must be constructed entirely on the property of the owner.

The Owner must maintain a regular maintenance schedule. Maintenance records shall be available to be reviewed by the Authority upon request.

#### **6.5 Pretreatment**

The Authority reserves the right to require pretreatment and/or flow equalization where the chemical or flow characteristics of the proposed industrial wastes, in the opinion of the Authority Engineer, or in the opinion of state or federal agencies, make such pretreatment or flow equalization desirable or mandatory. Some of the characteristics which may indicate pretreatment are listed below:

- (a) Five (5) day B.O.D. in excess of G.C.U.A. maximum limits.
- (b) Suspended solids in excess of G.C.U.A. maximum limits.
- (c) Quantities of flow, concentrations or both which constitute a "slug" as defined herein.
- (d) Presence of arsenic, barium, cadmium, chloride, chromium, copper, cyanide, fluoride, iron, lead, magnesium, manganese, nickel, nitrate, selenium, sulfate or zinc or pH values outside the acceptable limits as described in Section 6.3 (f). The following criteria shall apply.
  - (i) The substances listed below shall not exceed the following specified limits.

Limit Mg/L

Arsenic

0.1

Barium	2.0
Cadmium	0.02
Chromium (hexavalent)	0.10
Copper	0.20
Lead	0.10
Mercury	0.01
Selenium	0.02
Zinc	0.60

(ii) Persistent pesticides - not to exceed one one- hundredth of the TL 50 value at 96 hours as determined by appropriate bioassay. (Persistent pesticides are defined as natural and synthetic materials having a half-life of greater than 96 hours, which are used to control unwanted or noxious animals or plants. They include Fungicides, herbicides, insecticides, fumigants and rodenticides.)

- (e) Dissolved solids in excess of G.C.U.A. maximum limits.
- (f) Ammonia (NH<sub>3</sub>) in excess of G.C.U.A. maximum limits.
- (g) Phenol in excess of G.C.U.A. maximum limits.

In such instances where it is agreed that the industrial waste will be received following pretreatment, drawings and specifications shall be submitted for approval of the Authority Engineer showing all pertinent details of the indicator recorder- register type of flow meter, wastewater sampler and housing to be used, to meter and sample the flow of industrial wastes, and also details of the control manhole to be constructed on the industrial waste connection.

The manhole shall be provided with adequate access manhole covers of approved type, through which access shall be possible to Authority personnel at all times. Drawings, specifications, reports, etc., shall be submitted in quadruplicate and shall be prepared and sealed by a Professional Engineer registered in the State of New Jersey.

Where pretreatment and/or flow equalization facilities are required, they shall be provided and continuously maintained in an effectively operating condition at all times, at the expense of the industry.

Each industry connected to the Authority sewer system shall be responsible for maintaining a quality of effluent from their premises, which conforms to the provisions established in their agreement with the Authority. Sampling and analysis shall be done to conform with accepted practice, and in accordance with the current edition of "Standard Methods for the Examination of Water and Wastewater", of the American Public Health Association, Washington, D.C.

The cost of preparing and submitting this data for consideration by the Authority shall be borne by the industry. Likewise, the cost of sampling and analysis to determine compliance with the terms of the agreement, shall be borne by the industry, although conducted by the Authority or its duly authorized representative.

## **6.6 Control Manhole**

Industries permitted to connect to Authority sewers, even though not initially being required to provide preliminary treatment, may be required to provide a control manhole and/or meter and sampler as described in Section 6.5.

## **6.7 Penalty of Discontinuance**

In the event that any industry fails to conform to these regulations, or fails to comply with the terms and conditions of their agreement with the Authority, which failure causes damage of any sort to the Authority or Authority's employees, the Authority shall determine the extent of the damage and bill the industry accordingly. If such bill is not paid within ten (10) calendar days from the date of the bill, legal action shall be instituted to enforce collection; and the Authority shall terminate the connection after giving twenty- four (24) hours notice.

The Authority reserves the right to deem any agreement, which has been violated, null and void and that notification of the Authority's position be forwarded to the industrial or commercial user by certified mail, advising of the Authority's position.

## **6.8 Industrial Waste Flow meter and Sampler**

Where the industry provides its own water supply, entirely separate from that supplied by the Authority, or provides from its own sources a portion of the water consumed on the premises, which eventually finds its way into the sewerage system of the Authority the provisions of the Schedule of Rates will apply.

This does not relieve the industry from the requirement to furnish, install and maintain a flow meter of the indicator- register- recorder type, to measure the discharge of industrial wastes, and a wastewater sampler to periodically take and preserve a portion of the wastewater stream, as described in Section 6.5. The flow meter and wastewater sampler will be approved by the Authority, but supplied by the customer with the cost of said equipment and installation to be borne by the industry. All cost of furnishing, installing and maintaining the industrial waste flow and sampling equipment will be borne by the industry and shall be readily accessible to Authority personnel.

## **6.9 Industrial Service Revisions**

The industrial wastewater parameters and the criteria for industrial waste limits are subject to future revision or modification as may be required by the New Jersey Department of Environmental Protection, United States Environmental Protection Agency, the Gloucester County Utilities Authority, The Delaware River Basin Commission and/or the Mantua Township Municipal Utilities Authority.

THE MANTUA TOWNSHIP MUNICIPAL UTILITIES AUTHORITY  
397 Main Street, Mantua, New Jersey 08051  
Telephone: (856) 468-4111

SAMPLE OF LETTER OF CREDIT THAT MAY BE SUBMITTED IN LIEU OF 120%

**PERFORMANCE BOND**

(Bank Letterhead)

RE: (Irrevocable Letter of Credit #)

Re: (Name of Tract)

Gentlemen:

You are hereby authorized to draw on us at sight for the account of (Name of Tract), for sums up to \$\_\_\_\_\_ for water construction costs and \$\_\_\_\_\_ for sewerage construction costs. This letter shall remain in effect until final acceptance by adoption of a resolution, by the Mantua Township Municipal Utilities Authority.

The condition of the Irrevocable Letter of Credit is that within two years period of time, (Name of Tract) , shall cause to be installed the improvements mentioned above and if they shall fail to do so we shall honor all drafts upon us for the purpose of paying for such improvements.

The drafts under this letter must contain the clause "Drawn under Irrevocable Letter of Credit" # \_\_\_\_\_ , of (Name of Bank) , dated \_\_\_\_\_.

\_\_\_\_\_  
(Signed)

Position  
Name of Bank

Telephone: (856) 468-1111

**SAMPLE PERFORMANCE UTILITY BOND**

INSURANCE COMPANY LETTERHEAD

PERFORMANCE UTILITY BOND:

KNOW ALL MEN BY THESE PRESENTS: That we, (NAME OF BUILDER), as Principal and (NAME OF INSURANCE COMPANY), a corporation organized under the laws of the State of (NAME) and duly authorized to transact business in the State of New Jersey, as Surety, are held and firmly bound unto MANTUA TOWNSHIP MUNICIPAL UTILITIES AUTHORITY in full and just sum of \$ \_\_\_\_\_, lawful money of the United States of America for payment of which sum, well and truly to be made, we and each of us bind ourselves, our and each of our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents.

THE CONDITIONS of the above obligation are such, that

WHEREAS, the above named Principal (NAME OF BUILDER), is planning to construct underground utilities in a subdivision known as SECTION \_\_\_\_\_ of (NAME OF BUILDER).

AND the further condition that the Principal will complete the proposed sewage system (or water distribution system and appurtenances) in said subdivision within two years after approvals by the Authority and in full compliance with the plans and profiles submitted with the subdivision, as required by the Mantua Township Municipal Utilities Authority.

NOW, THEREFORE, if the above named Principal shall complete said improvements in the said subdivision according to the subdivision regulations of Mantua Township Municipal Authority, then this obligation shall be void; otherwise to remain in full force and effect until acceptance by adoption of a resolution by the Mantua Township Municipal Utilities Authority.

Signed, sealed and delivered this (DATE).

(NAME OF BUILDER)

By: (AUTHORIZED SIGNATURE)  
(TITLE)

(NAME OF INSURANCE COMPANY)

By: (AUTHORIZED SIGNATURE)  
(TITLE)

Countersigned by N.J. Res. Agent:

\_\_\_\_\_

**6.10 Application to install Communication Antenna on MTMUA Facilities**

### **6.10.1 Purpose of Application**

This application for Review of Plans for the Installation of Communications Antenna and supporting data specifying the engineering details of the proposed project will be analyzed for compliance with Authority engineering standards. The final condition of approval will be a mutual agreement between the Applicant and the Authority regarding the terms and conditions for installation of communication antenna arrays on MUA facilities.

### **6.10.2 Forms and Supporting Data**

#### **APPLICATION FOR REVIEW OF PLANS FOR INSTALLATION OF COMMUNICATIONS ANTENNA ON MTMUA FACILITIES**

Required Supporting Data:

Two (2) sets of drawings, reports and other pertinent data describing details; Structural Support calculations must also be submitted with the plans and specifications. If additional data is required after the initial review, the applicant will be contacted to submit same.

MTMUA Approval by resolution must be obtained prior to submittal to the Mantua Township Zoning Board.

In consideration of reviewing this application, the undersigned agrees:

- (a) To furnish any additional information relating to the installation requested by the Superintendent or Authority Engineer.
- (b) To accept and abide by all provisions of the Ordinances of the Township of Mantua and of all other pertinent ordinances or regulations that may be adopted in the future.
- (c) To cooperate at all times with the Superintendent , Authority Engineer and their representatives.
- (e) To notify the Superintendent immediately in the event of any accident, negligence, or other occurrence not covered by this application.

### **6.10.3 Fees**

**FILING FEE:** \$100.00

**REVIEW FEE:** A review fee of \$2,500.00 shall be deposited in Escrow for review costs.

In the event that the costs of review are more than deposited, the applicant shall pay the additional cost prior to final approval by the Authority. Checks shall be payable to the Associated Escrow Account with MTMUA.