

APPENDIX B

***Annotated Code of Maryland
Title 26, Subtitle 03***

Title 26
DEPARTMENT OF THE ENVIRONMENT
Subtitle 03 WATER SUPPLY, SEWERAGE, SOLID
WASTE, AND POLLUTION CONTROL PLANNING
AND FUNDING

Chapter 01 Planning Water Supply and Sewerage Systems

Authority: Environment Article, §§9-218, 9-505, 9-506, and 9-510,
Annotated Code of Maryland

Preface

It is the intent of these regulations to require the governing body of each county and Baltimore City to develop water supply and sewerage systems so as to be consistent with county comprehensive planning.

.01 Definitions.

A. "Approving authority" means one or more officials, agents, or agencies of local government designated by the local governing body or specified by other provisions of Environment Article, Title 9, Subtitle 5, to take certain actions as a part of implementing these regulations.

B. "Community sewerage system" means any system, whether publicly or privately owned, serving two or more individual lots, for the collection and disposal of sewerage or industrial wastes of a liquid nature, including various devices for the treatment of the sewage and industrial wastes.

C. "Community water supply system" means a source of water and a distribution system, including treatment and storage facilities, whether publicly or privately owned, serving two or more individual lots.

D. "County plan" means a comprehensive plan for the provision of adequate water supply systems and sewerage systems, whether publicly or privately owned, throughout the county and all amendments and revisions to it.

E. "Department" means the Department of the Environment.

F. "Existing service area" means that area that is currently served.

G. "Final planning stages" means a work or works of community water supply and community sewerage system for which contract plans and specifications have been completed.

H. "Financial management plan" means, for:

(1) Publicly owned community sewerage systems, a portion of the county water and sewerage plan, as described in Regulation .08B, which demonstrates to the Department's satisfaction that adequate fiscal resources will be available to support the satisfactory operation and maintenance of each system in the county to meet existing and future needs;

(2) Other sewerage systems or extensions, a package of information for each system, as specified in COMAR 26.03.02.02J, which demonstrates to the Department's satisfaction that adequate fiscal resources will be available to support the satisfactory operation and maintenance of the system to meet existing and future needs.

I. "Five- or six-year period" means that period, depending upon the county's capital improvement program, 5 or 6 years following the date of adoption of the plan, its amendment, or revision by the county.

J. "Immediate priority" means a work or works of community water supply and community sewerage system for which the beginning of construction is scheduled to start within 2 years following the date of adoption of the plan, its amendments, and its revision.

K. "Individual sewerage system" means a single system of sewers and piping, treatment tanks or other facilities serving only a single lot and disposing of sewage or individual wastes of a liquid nature, in whole or in part, on or in the soil of the property, into any waters of this State or by other methods.

L. "Individual water supply system" means a single system of piping, pumps, tanks, or other facilities utilizing a source of ground or surface water to supply only a single lot.

M. "Maintenance expense" means those expenses for labor, materials, utilities, and other items necessary to preserve the facility for its designed service life. Equipment or tools under \$200 should be included in this amount.

N. "Marina" means a dock, wharf, or basin providing mooring for boats which contain on-board toilet facilities, operated under public or private ownership, either free or on a fee basis, for the convenience of the public or club membership.

O. "Multi-used sewerage system" means a single system serving a single lot, whether owned or operated by an individual or group of individuals under private or collective ownership and serving a group of individuals for the collection and disposal of sewage or industrial wastes of a liquid nature, including various devices for the treatment of sewage and industrial wastes having a treatment capacity in excess of 5,000 GPD.

P. "Multi-use water supply system" means a single system of piping, pumps, tanks, or other facilities utilizing a source of ground or surface water to supply a group of individuals on a single lot and having a capacity in excess of 1,500 GPD.

Q. "Non-point source" means pollution originating from land runoff where no specific outfall can be identified.

R. "Operation expense" means those expenses such as labor, utilities, supplies, contractual services, training, and insurance, necessary to operate the treatment plant during its designed service life so as to achieve the capacity and performance standards for which it was designed, constructed, and permitted.

S. "Sewerage service area" is that area served, or potentially served, by a system of sanitary sewers connected to a treatment plant, or in a very large system, sub-areas as delineated by the county.

T. "Ten-year period" means that period of the 6 or 7 through 10 years following the date of adoption of the plan, its amendment, or its revision by the county.

U. "Under construction" means a work or works of community water supply and community sewerage systems where actual work is progressing or where a notice to proceed with a contract for this work has been let as of the adoption date of the plan, its amendment or revision.

V. "Water service area" means that area served, or potentially served, by a single distribution system under control of a single utility, or, in a very large system, sub-areas as delineated by the county.

.02 General Provisions.

A. Objective of County Plan. The objective of the county plan is to develop the water supply and sewerage systems in a way consistent with county comprehensive planning. The plan shall be used as a tool to implement the county development policy so that:

(1) An ample supply of water may be collected, treated, and delivered to points of use;

(2) Waste water may be collected and delivered to points best suited for waste treatment and disposal or for re-use;

(3) Waste water can be either treated before any discharge to State waters, in compliance with applicable water quality standards and discharge permit conditions, or disposed of to minimize most effectively adverse effects on legitimate water uses. Consideration shall be given to related aspects of land use, zoning, population estimates, engineering and economic factors, and all governmental, industrial, and other plans for privately owned facilities regarding water and sewerage at any level.

B. County Government Required to Develop Plans. The county governing body is the coordinating agency required to develop county water and sewerage plans. These plans shall incorporate all or part of subsidiary plans of the towns, municipal corporations, sanitary districts, privately owned facilities, and local, State, and federal agencies having existing, planned, or programmed development within the county. The governing body shall give notice to these officials and entities and they shall be provided an opportunity to be heard.

C. Annual Review of Plan. The county plan shall be reviewed by the governing body at least annually. A report of the review, together with

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amendments to or revisions of the plan as adopted by the governing body, shall be submitted to the Department.

D. **Comprehensive Planning Agencies Shall Be Consulted.** Every official planning agency having any immediate jurisdiction in a county, including those comprehensive planning agencies with multi-county or regional jurisdiction, shall be consulted by the governing body in connection with the preparation, amendment, or revision of county plans. A statement that the above agencies have been consulted shall be attached.

E. **Public Hearings on Amendments Required.** A public hearing shall be held on all amendments and revisions to the county water and sewerage plan. The Department shall receive prior written notice of all public hearings on plans, amendments, or revisions.

F. **Sanitary Facilities Fund.** The planning part of the Sanitary Facilities Fund established under Environment Article, §9-218, Annotated Code of Maryland, shall be available to the Department to finance planning for water and sewerage facilities including the preparation, amendments, and revisions of county plans. The Department is authorized to use funds appropriated in the program of the annual State operating budget, which provides for general local health services for this purpose. When so used, the proportion of State, federal, and local funds, respectively, shall be that specified for each subdivision's financing of minimum health services at basic matching rates. The planning for water and sewerage facilities to be financed in this manner may be financed jointly by, or under the joint authority of, the Department and any county or Baltimore City or the Washington Suburban Sanitary Commission. The funds to be so used shall appear in the local health department's budget for the fiscal year in which their use is anticipated. The percentage contribution may not be affected by any other State or federal funds received by the subdivision for the same planning unless the total grants exceed the actual cost of the plan, in which case the contribution shall be reduced accordingly.

.03 Submission of County Plans.

A. The governing body of each county and Baltimore City shall develop and submit annual amendments or revisions to the county water and sewerage plan as required by Environment Article, §§9-511—9-513, Annotated Code of Maryland. The steps listed below shall be followed in sequence:

(1) Submit the plan in preliminary form, with all attachments, to the appropriate multi-county or regional comprehensive planning agency, the Department of State Planning, the Department of Natural Resources, and the Department of the Environment. The preliminary form shall be a rough draft of the entire plan and shall include maps in a complete presentation.

(2) Receive and consider comments from the Department, which will act as the coordinator for comments from the agencies sent a preliminary plan for review according to §A(1), above.

(3) A public hearing will be held.

(4) The plan shall then be formally adopted.

(5) After adoption, the plan will be prepared in final format as set forth in Regulation .04 of this chapter.

(6) Four copies of the plan will be submitted in final form to the Department for review. One copy shall be forwarded to the Department of Natural Resources and one to the Department of State Planning.

(7) The Department shall, within 6 months after submission, approve, disapprove, or approve in part the finally submitted county plan, its amendments or revisions. When disapproved in whole or part, the governing body of the county, within 6 months from the notification of disapproval, shall have the right to appeal the action of the Department to the Secretary of the Environment.

(8) Following receipt of notification of approval of the county plan, amendments, or revisions, the county shall then have the plan, amendments or revisions reproduced and distributed in accordance with §B, below.

B. The counties and Baltimore City shall be the distributing agencies for all copies of the county plans or revisions. At least 50 copies of each should be printed to meet the required distribution. Copies are to be automatically distributed to the following agencies:

(1) Four copies to the Department of the Environment;

(2) Four copies to the Department of Natural Resources.

.04 Requirements Applicable to Adopted County Plans.

A. All county plans, amendments, or revisions shall be prepared in conformance with this regulation. Each adopted plan shall be arranged with an introduction and a minimum of four chapters as outlined below.

B. Introduction:

- (1) A statement certifying that the plan has been officially adopted by the county governing body;
- (2) A statement certifying that the plan has been submitted to the Department and it meets the requirements of Regulation .02B;
- (3) A statement certifying that sections of the plan covering engineering aspects of water and sewerage projects have been prepared and reviewed for adequacy by a registered professional engineer licensed in the State;
- (4) The letter of approval from the Department.

C. Chapter One. This chapter shall contain:

- (1) A statement of the goals of the county consistent with county comprehensive planning;
- (2) A brief discussion, with charts, of the organization of the county government as it relates to the management of water supply and sewerage facilities.

D. Chapter Two. Chapter two shall contain the general background information relevant to the water and sewerage planning. Information shall include the maps, charts, and tables listed below. When a county has previously developed alternative methods for presenting this data, the specific format required in the chapter may be waived by the Department.

(1) Physical.

- (a) General maps showing aquifers, soil drainage characteristics, topography, ground water and surface water patterns.
- (b) A map or table showing water quality criteria in the county.

(2) Population.

- (a) General maps showing present and projected population distribution and density.
- (b) Table No. 1, county population projections.

**Table No. 1
Population Projections**

<i>County Projections</i>	<i>State Projections</i>	<i>Others</i>
1970		
1975		
1980		
1990		
2000		

(3) Land Use.

(a) Maps showing existing land use, zoning, and the adopted comprehensive development plan for the county.

(b) Table No. 2, reflecting existing and zoned land use in acres.

**Table No. 2
Land in County**

<i>Existing Land Use</i>		<i>Zoned Land</i>		<i>County Comprehensive Plan 1980 or Other Horizon Date</i>	
<i>Acres</i>	<i>% Total Acreage</i>	<i>Acres</i>	<i>% Total Acreage</i>	<i>Acres</i>	<i>% Total Acreage</i>
Land Use					
Residential, Commercial, Light Industry					
Heavy Industry					
Agricultural and Open Space					
Mines and Quarries					
Surface Water					

(c) A map showing existing and proposed major public institutions, such as schools, hospitals, correctional facilities, government complexes; and a table showing the approximate populations of these facilities.

E. Chapter Three. Chapter three shall contain a description of existing, planned, and future requirements for water service areas including tables, maps, charts, graphs, descriptive information, and all other matter regarding these systems. It shall contain a discussion of ground and surface water resources within the county including the quality and potential quantity of these sources. Summaries of existing and projected water demands and existing sources of pollution or con-

tamination relating to water supplies shall be stated or shown. The chapter shall contain a discussion of alternatives and the rationale used in determining the means of providing future water supplies. For every water service area, the following shall be discussed or shown: operating agency, rated and actual productions, type of treatment, location, operation and maintenance costs, and proposed means of financial improvements. For any proposed new water supply source, a summary of the environmental impact of its development shall be given. Efforts to reduce demands (e.g. metering, rate changes, plumbing codes) shall be outlined. Minimum requirements for tables and maps in this chapter are as follows:

(1) Table No. 3, showing population projections and projected water supply demands and planned capacity by water service areas through the year 2000.

(2) Inventories of water sources as follows:

(a) An inventory, Table No. 4, of community system wells;

(b) An inventory, Table No. 5, of impounded supplies;

(c) An inventory of other surface water supplies showing initial and planned withdrawals (MGD).

(3) An inventory, Table No. 6, of existing treatment facilities.

(4) An inventory, Table No. 7, below, of problem areas such as inadequate portions of community systems (including fire flow inadequacies) and areas where individual systems are experiencing difficulties:

Table No. 7
Inventory of Water Problem Areas

<i>Service Area</i>	<i>Location</i>	<i>Population</i>	<i>Acres</i>	<i>Nature of Problem</i>	<i>Planned Correction Date (if known)</i>
(5) Immediate, 5 and 10 year priorities for water development, Table No. 8.					

(6) Maps as specified in §G of this regulation.

F. Chapter Four. Chapter four shall contain a description of the existing and planned community and multi-use sewerage systems, including tables, maps, charts, graphs, descriptive information and all other matters regarding these systems. Indicate locations of proposed

points of waste discharges. It shall be shown how conformance of existing and programmed sewerage facilities meet or will meet the effluent limitations specified in COMAR 26.08.03.01 of the Department of the Environment. It shall contain a summary of each available point of discharge evaluation, specifically those parts pertaining to protected water uses. It shall discuss the rationale for selecting a planned alternative for any proposed treatment facility, pumping station, or interceptor. For every service area and community system, the following should be discussed: operating agency, design average and peak flows; whether combined or separate collection systems; level and type of treatment given; sludge disposal plans, condition of treatment and transmission facilities; operation and maintenance costs; and proposed means of financing improvements. Minimum requirements for tables and maps in this chapter shall be as follows:

(1) Population projections and present and expected demands and capacities by sewerage service area, Table No. 9.

(2) Inventory of existing sewage treatment plants, Table No. 10.

(3) Inventory of problem areas, including inadequate portions of community systems and areas where individual systems are experiencing difficulty, Table No. 11.

(4) When possible, identify by service area water quality problems due to storm drain outfall and to non-point sources, Table No. 12.

(5) Immediate, 5 and 10 year priorities for sewerage systems development, Table No. 13.

(6) Maps as outlined in §G of this regulation.

(7) The county plan shall include an inventory of problem marinas and will include basic planning concepts for sanitary facilities at all marinas.

G. Technical Requirements.

(1) The following physical format shall be required for the submission of county plans.

(a) Textual materials, tables, charts, graphs, and other illustrations shall be prepared on 8½ × 11 inch stock or any other size which can be folded for inclusion in the binder. Margins on the left-hand edge shall be punched for a multi-ringed 10 × 11½ inch interchangeable stiff-backed binder with identification on the binder.

(b) The Maryland Coordinate Grid System shall be used to determine place locations. The Maryland State Highway System maps

use this system with lines spaced at intervals of 50,000 feet bearing due east and due north from the points of origin. Other maps can be used by superimposing a similar grid on any map of Maryland. Referenced to the same point of origin, it then becomes possible to find any place on the map if its coordinates are known. Two numbers define any place location on the map. The first number designates the distance in thousands of feet that the place lies east of the point of origin, and the second number, the distance in thousands of feet that the place lies north of the point of origin.

(c) All projections shall be made for decade years except that for the first decade. The mid-period shall also be shown (e.g. 1970, 1975, 1980, 1990, 2000).

(d) Two maps of the entire county to a scale of approximately 1 inch equal to 1 mile shall be included showing, in general, areas served or to be served with community facilities. One map shall be for sewerage facilities and the other water supply facilities. These maps shall be folded, inserted into separate pockets marked "water" and "sewerage" and placed into the multiple-ringed stiff-backed binder.

(e) Two sets of detailed maps (one for water facilities and the other for sewerage facilities) of each portion of the county shall be prepared on a minimum scale of 1 inch equal to 2,000 feet and in sufficient number so as to show actual areas served or to be served as set forth in these regulations. A minimum scale of "1 inch equals 3500 feet" is acceptable in those counties where existing detail mapping is complete or is under preparation. For those counties where detail maps have not been initiated, a scale of "1 inch equals 2000 feet" shall be the minimum requirement. Color coding on the maps is optional.

(f) Amendments or revisions to the county plan shall be prepared so that the new or additional material may be inserted in the binder in the appropriate places to provide a continuously updated and current county comprehensive water and sewerage plan. Each sheet of the amendment or revision shall be dated to show when the change became effective.

(g) Measurements as specified in this regulation shall be converted to their metric equivalence when applicable.

(2) As minimum requirements, the water and sewerage maps in the county plan shall be delineated to show for each existing and proposed community and multi-use water supply and sewerage system the

following data located by codes and symbols as specified in this regulation.

(a) Delineate on the maps, existing or proposed and planned community and multi-use water and sewerage facilities, including wells, reservoirs, intakes, transmission and feeder mains, storage facilities, interceptor and truck sewers, pumping stations, force mains, treatment works, outfall sewers, and service areas. Show on the detailed maps sizes or capacities, or both, where appropriate.

(b) Delineate on the maps areas served by community and multi-use water and sewerage systems which are either existing or are under construction. The actual bounds of areas served by these systems shall be clearly indicated. The areas so delineated in this category shall be as shown in Table 14 and shall be referred to as W-1 for water systems and S-1 for sewerage systems.

(c) Delineate on the maps, areas to be served by extensions of existing community and multi-use water supply and sewerage systems which are in the final planning stages. The areas so shown in this category shall be as shown in Table 14 and shall be referred to as W-2 for water systems and S-2 for sewerage systems.

(d) Delineate on the maps, areas where improvements to, or construction of, new community and multi-use water supply and sewerage systems will be given immediate priority. The areas so shown in this category shall be as shown in Table 14 and shall be referred to as W-3 for water systems and S-3 for sewerage systems.

(e) Delineate on the maps areas where improvements to, or construction of, new community and multi-use water supply and sewerage systems will be programmed for the 3 to 5/6 year period. The areas so shown in this category shall be as shown in Table 14 and shall be referred to as W-4 for water systems and S-4 for sewerage systems.

(f) Delineate on the maps those areas where improvements to, or construction of, new community and multi-use water supply and sewerage systems are programmed for inclusion within the 6/7 through 10-year period. The areas so shown in this category shall be as shown in Table 14 and shall be referred to as W-5 for water systems and S-5 for sewerage systems.

(g) All other areas of the county should be shown as no planned service. The areas so shown in this category shall be as shown in Table 14 and shall be referred to as W-6 for water systems and S-6 for sewerage systems.

(h) Other map symbols shall be as shown in Table 14.

.05 Individual Water Supply and Individual Sewerage Systems.

The installation of individual water supply or individual sewerage systems shall be subject to the following requirements:

A. An individual water supply or individual sewerage system may not be permitted to be installed where an adequate community water or sewerage facility is available. If an existing community water or sewerage facility is inadequate or is not available, an interim individual water and sewerage system may be used as set forth in §B(1), (2), and (3), below.

B. Interim individual water supply and sewerage systems may be permitted to be installed in any portion of the county, except where otherwise prohibited, where community systems will be programmed for construction within the S-1-2, 3 and 4 and W-1-2, 3 and 4 service categories provided that:

(1) The interim systems are adjudged by the local health department to be adequate, safe, and in compliance with pertinent State and local regulations, including minimum lot ownership as set forth in COMAR 26.04.03.02 and .03;

(2) Permits for the interim systems shall bear a notice regarding the interim nature of the permit and stating that connection to a future community system shall be made within 1 year or less after the system becomes available;

(3) If interim systems are used, provisions shall be made, whenever possible, to locate the systems so as to permit connection to the public facilities in a most economical and convenient manner.

C. Individual water supply or sewerage systems, not of an interim nature, shall be permitted to be installed in any portion of the county designated as S-5 and 6, and W-5 and 6 where community systems are not planned. The installations shall be governed by the regulations under COMAR 26.04.02 and 26.04.03 as minimum requirements.

.06 Flow Data.

For each service area, flow data for all community and multi-use sewerage facilities will be presented according to either Table No. 15 for wastewater treatment plants or Table No. 15A for all principal collector sewers, interceptors, pumping stations, and associated force mains. Information presented previously in either Table No. 9 or Table

No. 10 can be omitted from Table No. 15. In Table No. 15A, present data according to the flow pattern of existing sewerage system by starting with principal collector sewers and proceed to the treatment plant.

(See tables on following pages)

26.03.01.06

ENVIRONMENT

Table No. 3
Projected Water Supply Demands and Planned Capacity

Service Area	Present 1975			1980			1990			2000		
	Population	GPCD/Capacity	Population	GPCD/Capacity	Population	GPCD/Capacity	Population	GPCD/Capacity	Population	GPCD/Capacity	Population	GPCD/Capacity
	total	(gals)	total	(gals)	total	(gals)	total	(gals)	total	(gals)	total	(gals)
	served	unreserved	served	unreserved	served	unreserved	served	unreserved	served	unreserved	served	unreserved
	demand	planned	demand	planned	demand	planned	demand	planned	demand	planned	demand	planned

**Table No. 4
Inventory of Existing Community System Wells**

Well Name or Number	Aquifer	Coordinate Location	Depth Feet	Diameter Inches	Max. Safe Yield	Pumping Capacity	Water Quality
Municipal (Public)							
Industrial							
Private Community/Institutional							

**Table No. 5
Inventory of Existing Impounded Supplies**

Owner	Crest Elevation (above sea level)	Spillway Length	Dam Length	Stream Bed Elevation	Crest at Crest Line	Flooded Area of Crest Area	Shore Line of Land Owned	Length of Crest Line	Area of Land Owned	Water Overflowed Crest for First Time	Capacity of Reservoir (MGD)	Safe Yield (MGD)	Average Daily With- drawal (MGD)
Municipal (Public)													
Industrial													
Private Community/ Institutional													

**Table No. 6
Inventory of Existing Water Treatment Facilities**

Owner	Water Source	Type Treatment Location	Coordinate	Plant Capacity (MGD)	Average Production (MGD)	Max Peak Flow (MGD)	Storage Capacity (MGD)	Planned Expansion MGD/ Dates	Method of Sludge Disposal	Operating Agency

Municipal (Public)

Industrial

Private Community* / Institutional

* If transfer to public ownership is recommended, indicate expected date.

**Table No. 8
Immediate, 5 and 10 Year Priorities for Water Development**

Fiscal Year and Project Number	County Priority Assigned	Coordinate Location	Description	Estimated Costs *			Total	Project Status
				Federal and/or State	Local	Constr. Start		
								Immediate Priority Projects 5 and 10 Year Period Projects

* Based on dollar values as of effective date of plan where applicable

PLANNING AND FUNDING

26.03.01.06

Table No. 9
Projected Sewerage Demands and Planned Capacity

Service Area	Present 1975			1980			1990			2000			
	Population			GPCD/Capacity			Population			GPCD/Capacity			
	total	served	unserved	(gals)	demand	planned	total	served	unserved	(gals)	demand	planned	

**Table No. 10
Inventory of Existing Sewage Treatment Plants**

<i>Type</i>	<i>Plant</i>	<i>Coordinate</i>	<i>Occupied</i>	<i>Vacant</i>	<i>Point of Discharge</i>	<i>Max. Site Capacity (MGD)</i>	<i>Existing Capacity (MGD)</i>	<i>Flows (MGD)</i>	<i>Planned or Expected Abandonment Date if Interim</i>	<i>Operating Agency</i>
<i>Owner</i>	<i>Treatment Location</i>	<i>Acres</i>	<i>Acres</i>	<i>Acres</i>	<i>* Secondary Advanced</i>	<i>Capacity</i>	<i>Capacity</i>	<i>Average Peak</i>	<i>MGD Date</i>	<i>Agency</i>

Municipal (Public)

Industrial

Private

Community**/

Institutional

* Name of body of water, tract, etc.

** If transfer to public ownership is recommended, indicate expected date.

**Table No. 11
Problem Areas Inventory—Individual and Community**

<i>Service Area</i>	<i>Problem Description</i>	<i>Location</i>	<i>Population</i>	<i>Acres</i>	<i>Treatment Capacity</i>	<i>Treatment Demand</i>	<i>Planned Correction Date if Known</i>
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Table No. 12
Water Quality Problem Due to Storm Drainage Outfalls and to Non-point Sources

<i>Service Area</i>	<i>Problem Description</i>	<i>Location</i>	<i>Reach Affected</i>
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Table No. 13
Immediate 5 and 10 Year Priorities for Sewerage Development

<i>Fiscal Year and Project Number</i>	<i>County</i>	<i>Priority Coordinate*</i>	<i>Costs**</i>			<i>Project Schedule***</i>
			<i>Assigned</i>	<i>Total</i>	<i>Eligibility</i>	
			<i>Other</i>	<i>Federal</i>	<i>Local</i>	<i>Plans</i>
			<i>Construction</i>	<i>Construction</i>	<i>Construction</i>	<i>Complete</i>

____ Year


____ Year

















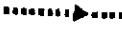

* Where applicable for both treatment facility and point of discharge location.

** Based on real dollar values.

***Month and year—for the last 5 years the "Construction Schedule Column" need not be filled in.

Table No. 14
Water and Sewerage Map Symbols


 North

	Existing	Planned
Water or Sewerage Treatment Plants		
Water or Sewerage Pumping Stations		
Water Storage Tanks		
Wells		
Springs		
Reservoirs		
Interceptors, Outfalls Raw and Treated Water Transmission Mains		
Force Mains		
Laterals and Feeder Mains		

Existing and Planned Service Areas

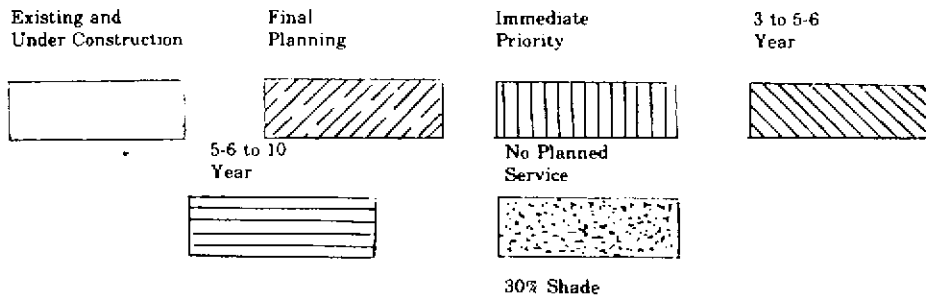


Table No. 15
Flow Data
Wastewater Treatment Plants

Name or Service Area	Design Parameters		Flow		Development Existing*	Development Occupancy Units (1)		PWA	
	Hydraulic (mgd)	Organic (ppm)	Avg. Day* (mgd)	Max. Day & (Date**)		UC	NUC		
Example: Clear Water	3.5	200	200	3.0	5.5(3-17-76)	6,500	117 R 7 C	7 R none	830 R none

* Per Effective Date of Plan (7-1-76)

** During Previous Fiscal Year



*** List Residential (R) Separately from Commercial (C) and Industrial (I)

BPI—Building Permits Issued Per Effective Date of Plan

UC—Building Permits Issued Per Effective Date of Plan for Units Under Construction

NUC—Building Permits Issued Per Effective Date of Plan for Units Not Under Construction

PWA—Building Permits for Unexpired Public Works Agreements Per Effective Date of Plan

(1)—Includes Industrial, Commercial and Residential Units

Table No. 15A
Flow Data
Collector Sewers, Interceptors, Pumping Stations and Force Mains

Name or Sewer Type Designation	Sewer			Capability Pumping Station				Force Main		
	Diam. (inches)	Flow, mgd Avg. Day*	Design mgd	Number of Pumps	Capacity of Each Pump (mgd)	Normal Pumping Capacity (mgd)	Avg. Day Pumpage* (mgd)	Max. Day Pumpage and Mgd (date)**	Diam. (inches)	Design Flow (mgd)
Example: Collector	12	0.5	1.0							
Clear Branch Interceptor	18	3.5	5.0							
Severn Run P.S. and F.M.				2	3.6	3.6	2.5	3.0 (3-1-76)	24	8.0
Clear Water STP										

(See Table No. 15)

* Per Effective Date of Plan (7-1-76)

**During Previous Fiscal Year

.07 Compliance with Maryland Water Conservation Plumbing Fixtures Act (MWCPFA).

A. Each county water and sewerage plan shall contain documentation that compliance with the MWCPFA, as codified in Article 56, §445, Annotated Code of Maryland, is being achieved.

B. The documentation in §A shall include:

(1) Designation of the county agency responsible for the enforcement of MWCPFA;

(2) A summary of county programs to assure implementation of and compliance with MWCPFA, including a description of:

(a) A procedure which assures compliance with MWCPFA before the issuance of a certificate of occupancy,

(b) Local actions taken to assure compliance with the prohibition of the sale of non-water-conserving plumbing fixtures,

(c) The local procedures used to ensure that agreements between a developer and a builder to assure compliance with MWCPFA are made part of the record plat process or a part of a county building, plumbing, or occupancy permit, or bill of sale.

C. If the county is not currently complying with the MWCPFA, then the county water and sewerage plan shall include a description of proposed changes to the local program which the county intends to implement to achieve compliance with MWCPFA.

.08 Financial Management of Public Sewerage Systems Required.

A. Each county water and sewerage plan ("county plan") may be approved only upon inclusion of a financial management plan which includes all publicly owned community sewerage systems in the county.

B. Each financial management plan shall contain a:

(1) Countywide organizational narrative which includes a brief countywide description of the financial roles and relationships of all public entities involved with providing sewerage service within the county.

(2) Completed Schedule FS for each self-contained, publicly owned community sewerage system. The content and format of Schedule FS will be specified by the Department. Each Schedule FS shall demonstrate that adequate fiscal resources are or will be

available to support the satisfactory operation, maintenance, and repair of each system to meet existing and future needs.

C. Before issuance of a State permit for the construction of a new, proposed, self-contained, publicly owned community sewerage system, the following requirements shall be satisfied:

(1) The financial management plan described in §§A and B of this regulation has been adopted as part of the county plan and approved by the Department; and

(2) The proposed system has been described through new narrative text and revised tables and maps in a county plan amendment or update adopted by the county governing body and approved by the Department.

D. Each county plan submitted after the effective date of these regulations, for fiscal purposes, shall treat each publicly owned community sewerage system as a separate entity within the local operating agency budget.

E. Starting on the effective date of these regulations, each county plan update shall include the complete financial management plan specified in §§A and B, above. However, a county may not submit its initial financial management plan later than July 1, 1989, regardless of the due date of its next county plan update.

F. The instructions and definitions necessary for completing Schedule FS shall be sent to all county water and sewer plan contacts.

G. In addition to the completed Schedule FS, the Department, after review of subsequent county water and sewer plans, may require and the county shall provide the information listed below. This information shall be submitted only at the Department's request, and it should not be included as part of the county plan or Schedule FS:

(1) An inventory of the plant and equipment;

(2) Documentation that sewer service rates are sufficient to meet operation and maintenance costs;

(3) A description of the customer billing procedures;

(4) A description of the system's "bad debt" situation;

(5) A description of any construction project or plan for expansion anticipated during the next 2 years, as well as the anticipated method of financing the project;

(6) A description of the long-term plans for plant replacement or major renovation, as well as the anticipated method of financing the plans or projects;

(7) A discussion of escrow accounts, existing or contemplated, for construction, maintenance, repair, operation, and emergencies;

(8) The system's balance sheet as of the last day of the most recent fiscal year.

Administrative History

Effective date: July 1, 1975 (2:3 Md. R. 154)

Regulations .02A, .03A, .04E, F, .05, .06 amended effective Dec. 24, 1975 (2:29 Md. R. 1735)

Regulation .07 adopted effective January 26, 1987 (14:2 Md. R. 129)

Chapter recodified from COMAR 10.17.01 to COMAR 26.03.01

Regulation .01 amended effective July 25, 1988 (15:15 Md. R. 1813)

Regulation .08 adopted effective July 25, 1988 (15:15 Md. R. 1813)

CHANGES TO REGULATIONS

Changes frequently occur to regulations published in the Code of Maryland Regulations (COMAR). These changes are always printed in the *Maryland Register*, COMAR's bi-weekly supplement. Consult the "Cumulative Table of COMAR Regulations Adopted, Amended, or Repealed" in the most recent issue of the *Maryland Register*.

