

**COUNTY COUNCIL OF CECIL COUNTY, MARYLAND
LEGISLATIVE SESSION DAY - 2016-21**

RESOLUTION NO. 58-2016

Title of Resolution: Amendment - Master Water and Sewer Plan - Chesapeake City

Synopsis: A Resolution to amend the Cecil County Master Water and Sewer Plan, Chapter 4 Sewerage Systems, Section 4.1.4.B Chesapeake City, to add text regarding limitation on service extensions in existing service areas and potential service area expansion; and to add text regarding sewer service area changed by the State, balancing of growth and demand, and service division within parcel.

Introduced by: Council President on behalf of the County Executive

Introduced and ordered posted on: December 6, 2016

Public Hearing scheduled on: January 3, 2017 at 7:00 p.m.

Scheduled for consideration on: January 17, 2017

By: _____
Council Manager

PUBLIC HEARING

Notice of time and place of public hearing and title of Resolution, having been posted by _____ at the County Administration Building, 200 Chesapeake Blvd., Elkton, and having been published according to the Charter on _____ and _____, a public hearing was held on ____ and concluded on _____.

By: _____
Council Manager

EXPLANATION:

CAPITALS INDICATE LANGUAGE ADDED TO EXISTING RESOLUTION

~~Strike through~~ indicates language deleted from existing Resolution

Underlining indicates language added to Resolution by Amendment

~~Double Strike Through~~ indicates language stricken out of Resolution by Amendment.

1 **WHEREAS**, pursuant to section 9-503 of the Environment Article of the Annotated Code of
2 Maryland, each County is required to have a Water and Sewer Plan, and to provide for the administration,
3 enforcement and amendment of the Plan; and

4 **WHEREAS**, pursuant to section 9-503 of the Environment Article, each county's governing body
5 has the authority to review, revise or amend the Water and Sewer Plan; and

6 **WHEREAS**, an amendment has been proposed to the Master Water and Sewer Plan, Chapter 4,
7 Sewerage Systems, Section 4.1.4. Chesapeake City, Section B. Proposed Improvements, Existing Service
8 Area, to add text regarding limitation on service extensions in existing service areas; and

9 **WHEREAS**, an amendment has been proposed to the Master Water and Sewer Plan, Chapter 4,
10 Sewerage Systems, Section 4.1.4 Chesapeake City, Section B. Proposed Improvements, Potential Service
11 Area Expansion, to add text regarding limitation on service extensions in existing service areas; and

12 **WHEREAS**, an amendment has been proposed to the Master Water and Sewer Plan, Chapter 4,
13 Sewerage Systems, Section 4.1.4 Chesapeake City, Section B. Proposed Improvements, Potential Service
14 Area Expansion, to add text regarding sewer service area changed by the State, balancing of growth and
15 demand, and service division within parcel.

16 **WHEREAS**, the Department of Planning and Zoning has recommended amendments to the Master
17 Water and Sewer Plan; and

18 **WHEREAS**, a public hearing was held on these proposed amendments before the Planning
19 Commission on Monday October 17, 2016; and

20 **WHEREAS**, the Planning Commission determined that the text amendments are consistent with
21 the County's Comprehensive Plan; and

22 **WHEREAS**, the principal elected official of each municipality in the County has been notified of the
23 plan amendment; and

24 **WHEREAS**, before the county governing body adopts any revision or amendment of its county
25 plan, the governing body must conduct a public hearing; and

26 **WHEREAS**, all requirements of the Environment Article of the Annotated Code of Maryland have
27 been met with regard to the amendment of the Cecil County Master Water and Sewer Plan.

28 **NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE COUNTY COUNCIL OF CECIL COUNTY,**
29 **MARYLAND,** that the text amendment to the Master Water and Sewer Plan, Chapter 4, Sewerage
30 Systems, Section 4.1.4.B Chesapeake City, is hereby adopted as follows:

31 **4.1.4 Chesapeake City**

32 **A. Existing Systems**

33 The sewerage system for Chesapeake City is split by the Chesapeake and Delaware Canal, and two
34 separate collection and treatment systems are maintained. The two plants treat a combined flow of
35 0.163 mgd from approximately 900 people. In 2013, the Bohemia Manor Middle School and High School
36 was connected to the Town's south collection system with an allocated capacity of 8,000 gpd. The North
37 side is served by a similar 0.088 mgd plant. Both plants include chlorination/de-chlorination facilities.
38 Effluent is discharged into the C&D Canal.

39 **B. Proposed Improvements**

40 **Existing Service Area**

41 The Town is in the process of upgrading the wastewater treatment facilities which includes the
42 consolidation of the two existing WWTPS into a new single WWTP located on the north side of the C&D
43 Canal. The new facility will have a total treatment capacity of 300,000 gpd and be capable of meeting
44 Enhanced Nutrient Removal standards. The new facility will be constructed adjacent to the existing
45 WWTP to allow the existing facilities to remain in service during construction. The new WWTP
46 construction will include new head works, sequencing batch reactors (SBRs), effluent filters, UV
47 disinfection, and cascade aeration prior to discharge to the C&D Canal. Supporting processes will include
48 chemical additional and monitoring equipment, utility water reuse, and sludge processing, storage, and
49 dewatering.

50 As part of the improvements, the South WWTP will be demolished and replaced with a new
51 pumping station to convey flow under the canal to the new WWTP. The Town previously installed two
52 parallel 8-inch conduits to allow for the installation of the proposed force main required to convey the
53 flow under the canal. The majority of the existing North WWTP will be demolished with the exception of
54 the control building which will be repurposed if possible.

55 The proposed capacity is in accordance with the Town and County comprehensive plans. Capacity
56 will be allocated in accordance with the Town's allocation policies and capacity management policies. In

57 terms of nutrient allocation, the two existing facilities are treated as a single point discharge point with a
58 capacity of 0.163 mgd.

59 As a minor facility, MDE assumes a nutrient load cap of 6,090 lbs/year of total nitrogen (TN) and
60 456 lbs/year of total phosphorus (TP). However, should the town accept ENR funding, this loading would
61 be significantly reduced. The proposed nutrient allocation is 3,656 lbs/year TN and 275 lbs/year TP (based
62 on a capacity of 300,000 gpd at 4.0 mg/1 TN and 0.3 mg/1 TP).

63 **ALL SERVICE EXTENSIONS WILL BE LIMITED TO STATE CONFIRMED ELIGIBLE PRIORITY FUNDING**
64 **AREA OR THOSE PARCELS RECEIVING STATE AGENCY APPROVED PRIORITY FUNDING AREA EXCEPTION.**

65 **Potential Service Area Expansion**

66 There are several nearby communities that may have interest in connecting to the Town's collection and
67 treatment system. Any such connection would be subject to approval by the County and Town Council,
68 and must comply with MDE's Nutrient Cap Management and Trading Policy. The Town is in preliminary
69 discussion with the mobile home community of Chesapeake Estates, which has a failing community onsite
70 disposal system. Similar to the County's approach with the Seneca Point WWTP, the Town would seek to
71 decommission the community onsite disposal system and connect the community to the Town's
72 collection and treatment system. Conceptual plans include the construction of a new pump station at
73 Chesapeake Estates along with approximately 6,100 linear feet of 4" force main to convey the flow to the
74 collection system on the south side of the Canal. The flow would then be conveyed to the new pump
75 station at the former South WWTP site and ultimately to the new WWTP on the north side of Town.

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77 **AREA OR THOSE PARCELS RECEIVING STATE AGENCY APPROVED PRIORITY FUNDING AREA EXCEPTION.**

78 Other facilities will be considered as opportunities for decommission becomes available. In
79 conjunction with these connections, the Town would realize additional nutrient discharge credits for their
80 point sources discharge.

81 **C. Sewer Service Areas**

82 Figure 4-1 shows the location of the various service area categories. **THESE AREAS ARE SUBJECT TO**
83 **CHANGE BY STATE APPROVED AMENDMENT. THE GROWTH EXPECTATON AND SERVICE DEMANDS ARE**
84 **BALANCED WITH THE PLANNED FACILITIES MANAGEMENT PLAN AND NUTRIENT LOAD LIMITS. WHERE**
85 **SEWER SERVICE BOUNDARIES DIVIDE ANY ONE PARCEL, IT IS INTENTIONAL AND MEANT TO LIMIT**
86 **SERVICE AS PROGRAMMED AND AS GUIDED BY THIS PLAN.**

87 **AND, BE IT FURTHER RESOLVED BY THE COUNTY COUNCIL OF CECIL COUNTY, MARYLAND,** that
88 this Resolution shall take effect on the date of its passage.

INTRODUCED: **December 6, 2016**

ADOPTED: _____

ATTEST:

President of the Council

Council Manager