

**COUNTY COUNCIL OF CECIL COUNTY, MARYLAND
LEGISLATIVE SESSION DAY 2014-08**

RESOLUTION NO. 22-2014

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, §4.1.4B Chesapeake City, to add text regarding the consolidation of the existing wastewater facilities on the north side of town and to amend the sewer service area map to add tax map: 43, Parcel: 26 as an S-2 service area.

Introduced by: Council President on behalf of the Department of Planning & Zoning

Introduced, read first time, and ordered posted on: May 6, 2014

Public hearing scheduled for: June 3, 2014 **at:** 7:00 p.m.

Scheduled for consideration: June 17, 2014

By: _____
Council Manager

PUBLIC HEARING

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

By: _____
Council Manager

Explanation: CAPITALS INDICATE MATTER ADDED TO TEXT.
[Brackets] indicate matter deleted from text.
Underling indicates language added to Resolution by Amendment.
~~Strike through~~ indicates language stricken out of Resolution by Amendment.

1 **WHEREAS**, the Environment Article of the Annotated Code of Maryland requires the County to have
2 a Master Water & Sewer Plan and provides for the Administration, enforcement, and amendment of Plan;
3 and

4 **WHEREAS**, an amendment has been proposed to the Master Water & Sewer Plan, Chapter 4, §4.1.4B
5 Chesapeake City, to add text regarding the consolidation of the existing wastewater facilities on the north
6 side of town and to amend the sewer service area map to add tax map: 43, Parcel: 26 as an S-2 service area.

7 **WHEREAS**, the Department of Planning and Zoning has recommended amendments to the Master
8 Water & Sewer Plan for Chesapeake City; and

9 **WHEREAS**, a public hearing was held on these proposed changes before the Planning Commission on
10 Monday, April 21, 2014; and

11 **WHEREAS**, the Planning Commission recommended approval of the proposed amendment.

12 **NOW, THEREFORE, BE IT HEREBY RESOLVED** by the County Council of Cecil County, Maryland, that
13 the text amendment to the Master Water & Sewer Plan, , Chapter 4., §4.1.4. Chesapeake City, Section A. is
14 hereby adopted as follows:

15 A. Existing Systems

16 The sewerage system for Chesapeake City is split by the Chesapeake and Delaware Canal, and two separate
17 collection and treatment systems are maintained. The two plants treat a combined flow of 0.163 mgd from
18 approximately 900 people. IN 2013, THE BOHEMIA MANOR MIDDLE SCHOOL AND HIGH SCHOOL WAS
19 CONNECTED TO THE TOWN'S SOUTH COLLECTION SYSTEM WITH AN ALLOCATED CAPACITY OF 8,000 GPD.
20 Both plants include chlorination/dechlorination facilities. Effluent is discharged into the C&D Canal.

21 B. Proposed Improvements

22 EXISTING SERVICE AREA

23 THE TOWN IS IN THE PROCESS OF UPGRADING THE WASTEWATER TREATMENT FACILITIES WHICH INCLUDES
24 THE CONSOLIDATION OF THE TWO EXISTING WWTPS INTO A NEW SINGLE WWTP LOCATED ON THE NORTH
25 SIDE OF THE C&D CANAL. THE NEW FACILITY WILL HAVE A TOTAL TREATMENT CAPACITY OF 300,000 GPD
26 AND BE CAPABLE OF MEETING ENHANCED NUTRIENT REMOVAL STANDARDS. THE NEW FACILITY WILL BE
27 CONSTRUCTED ADJACENT TO THE EXISTING WWTP TO ALLOW THE EXISTING FACILITIES TO REMAIN IN

28 SERVICE DURING CONSTRUCTION. THE NEW WWTP CONSTRUCTION WILL INCLUDE NEW HEADWORKS,
29 SEQUENCING BATCH REACTORS (SBR'S), EFFLUENT FILTERS, UV DISINFECTION, AND CASCADE AERATION
30 PRIOR TO DISCHARGE TO THE C&D CANAL. SUPPORTING PROCESSES WILL INCLUDE CHEMICAL ADDITIONAL
31 AND MONITORING EQUIPMENT, UTILITY WATER RESUSE, AND SLUDGE PROCESSING, STORAGE, AND
32 DEWATERING.

33 AS PART OF THE IMPROVEMENTS, THE SOUTH WWTP WILL BE DEMOLISHED AND REPLACED WITH A NEW
34 PUMPING STATION TO CONVEY FLOW UNDER THE CANAL TO THE NEW WWTP. THE TOWN PREVIOUSLY
35 INSTALLED TWO PARALLEL 8-INCH CONDUITS TO ALLOW FOR THE INSTALLATION OF THE PROPOSED FM
36 REQUIRED TO CONVEY THE FLOW UNDER THE CANAL. THE MAJORITY OF THE EX. NORTH WWTP WILL BE
37 DEMOLISHED WITH THE EXCEPTION OF THE CONTROL BUILDING WHICH WILL BE REPURPOSED IF POSSIBLE.
38 THE PROPOSED CAPACITY IS IN ACCORDANCE WITH THE TOWN AND COUNTY COMPREHENSIVE PLANS.
39 CAPACITY WILL BE ALLOCATED IN ACCORDANCE WITH THE TOWN'S ALLOCATION POLICIES AND CAPACITY
40 MANAGEMENT POLICIES. IN TERMS OF NUTRIENT ALLOCATION, THE TWO EXISTING FACILITIES ARE
41 TREATED AS A SINGLE POINT DISCHARGE POINT WITH A CAPACITY OF 0.163 MGD. AS A MINOR FACILITY,
42 MDE ASSUMES A NUTRIENT LOAD CAP OF 6,090 LBS/YEAR OF TOTAL NITROGEN(TN) AND 456 LBS/YEAR OF
43 TOTAL PHOSPHORUS (TP). HOWEVER, SHOULD THE TOWN ACCEPT ENR FUNDING; THIS LOADING WOULD
44 BE SIGNIFICANTLY REDUCED. THE PROPOSED NUTRIENT ALLOCATION IS 3,565 LBS/YEAR TN AND 275
45 LBS/YEAR TP (BASED ON A CAPACITY OF 300,000 GPD AT 4.0 MG/1 TN AND 0.3 MG/1 TN).

46 POTENTIAL SERVICE AREA EXPANSION

47 THERE ARE SEVERAL NEARBY COMMUNITIES THAT MAY HAVE INTEREST IN CONNECTING TO THE TOWN'S
48 COLLECTION AND TREATMENT SYSTEM. ANY SUCH CONNECTION WOULD BE SUBJECT TO APPROVAL BY THE
49 COUNTY AND MUST COMPLY WITH MDE'S NUTRIENT CAP MANAGEMENT AND TRADING POLICY. THE
50 TOWN IS IN PRELIMINARY DISCUSSIONS WITH THE MOBILE HOME COMMUNITY OF CHESAPEAKE ESTATES,
51 WHICH HAS A FAILING COMMUNITY ONSITE DISPOSAL SYSTEM. SIMILAR TO THE COUNTY'S APPROACH
52 WITH THE SENECA POINT WWTP, THE TOWN WOULD SEEK TO DECOMMISSION THE COMMUNITY ON-SITE
53 DISPOSAL SYSTEM AND CONNECT THE COMMUNITY TO THE TOWN'S.

54 {The Town is proposing a 300,000 gpd sequence batch reactor (SBR) on the north side of town to serve both
55 the north and south sides of Chesapeake City. A wastewater conveyance line underneath the Chesapeake &
56 Delaware Canal will connect to a pump station on the south side of town. }

57 { It is intended that Town sewer service will be extended to the Bohemia Manor Middle School and High
58 School. It is anticipated that an average daily flow of approximately 8,000 gpd will be generated by the
59 school. The size of the sewer main will be determined during preliminary engineering and design. The
60 permitted capacity of the South Wastewater Treatment Plant is 88,000 gpd. The 3-year average flow from
61 2007 to 2009 to the South Wastewater Treatment Plant was 69,000 gpd. Capacity will be allocated in
62 accordance with the Town's allocation policies and capacity management policies. The proposed sewer
63 main shall only serve parcels designated as certified Priority Funding Areas unless a Priority Funding Area
64 exception is approved by the State Smart Growth Coordinating Sub-Committee. For any other connections
65 to this service line, the plan shall be amended. }

66 C. Sewer Service Areas

67 Figure 4-1 shows the location of the various service area categories.

68 **BE IT FURTHER RESOLVED THAT** the text amendment shall be submitted to the Maryland
69 Department of the Environment for its approval pursuant to §9-507 of the Environment Article of the
70 Annotated Code of Maryland.

INTRODUCED: _____

ADOPTED: _____

President of the Council

ATTEST:

Council Manager