

**COUNTY COUNCIL OF CECIL COUNTY, MARYLAND  
LEGISLATIVE SESSION DAY 2016-17**

**RESOLUTION NO. 49-2016**

**Title of Resolution:** Amendment – Master Water and Sewer Plan - Port Deposit Water System

**Synopsis:** A Resolution to amend the Cecil County Master Water and Sewer Plan, Chapter 3, §3.2.10.2 Port Deposit Water System, to expand the water system to the Bainbridge area in a three phase project, and associated tables 6,14, 15, and 17, and associated maps.

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

**Introduced, read first time, and ordered posted on:** September 6, 2016

**Public hearing scheduled for:** October 4, 2016 at: 7:00 p.m.

**Scheduled for consideration:** October 18, 2016

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:** CAPITAL LETTERS INDICATE LANGUAGE ADDED TO EXISTING DOCUMENT  
~~Strike through~~ indicates language deleted from existing document  
Underlining indicates language added to document by amendment.  
~~Double Strike through~~ indicates language stricken from document by amendment.

Amendment - Master Water and Sewer Plan - Port Deposit Water System

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 3,  
5 §3.2.10.2 Port Deposit Water System, to expand the water system to the Bainbridge area in a three phase  
6 project, and associated Tables 6, 14, 15, 17 and Maps.

7           **WHEREAS**, during Phase 1, existing water treatment facility will be expanded to a capacity of  
8 1.1MGD, new pumps will be installed at the existing hillside pump station to pump to a new booster station  
9 and tank complex on the Bainbridge property to pressure the new Bainbridge distribution system, and a  
10 portable package plan may be used to support construction and supplement treatment capacity; and

11           **WHEREAS**, during Phase 2, the intake will be increased to serve up to a demand of 10.0 MGD,  
12 additional treatment capacity will be installed at the Port Deposit treatment plant, and a new site  
13 constructed to supply increased demands at Bainbridge as demands grow; and

14           **WHEREAS**, during Phase 3, the Port Deposit system will be connected to Artesian's countywide  
15 system; and

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

18           **WHEREAS**, a public hearing was held on these proposed changes before the Planning Commission on  
19 August 15, 2016; and

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

21           **NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE COUNTY COUNCIL OF CECIL COUNTY,**

22 **MARYLAND**, that the text amendment to the Master Water & Sewer Plan, Chapter 3., §3.2.10.2, is hereby  
23 adopted as follows:

24 A. Existing Systems

25 On November 2, 2010, Artesian closed on the agreement to buy the water assets of the Town of Port  
26 Deposit. Artesian has operated Port Deposit's water system since April 2009 and received approval from the  
27 Maryland Public Service Commission to purchase the assets in July 2010. The acquisition includes access to  
28 the Susquehanna River as a source of supply, giving Artesian another reliable water source for Cecil County.  
29 It includes the water service rights for the service area that encompasses Port Deposit's existing customers

30 in addition to several adjacent tracts of land, including the Bainbridge property, a 1,200-acre former U.S.  
31 Navy facility, which has been zoned as a predominately commercial and industrial site with smaller parcels  
32 designated for residential homes, offices and educational uses.

33 There are currently 265 customers on this system. The system consists of the Susquehanna intake,  
34 which has a maximum daily withdrawal of 1,500,000 gallons, a treatment facility permitted for an average  
35 of 700,000 gpd, a 500,000 gallon ground storage tank, and a booster station. The current peak usage is  
36 approximately 89,000 gpd, which accounts for 6% of the peak system capacity.

37 Artesian has completed various upgrades to the Port Deposit treatment facility, including safety and  
38 security improvements. Artesian is currently undertaking an investigation of the Susquehanna intake  
39 structure and plans to perform maintenance and/or upgrades as necessary.

40 B. Proposed Improvements

41 **ARTESIAN WATER MARYLAND IS CURRENTLY IN THE PROCESS OF PLANNING IMPROVEMENTS TO THE**  
42 **WATER SYSTEM TO MEET THE FUTURE WATER NEEDS OF THE FORMER NAVAL TRAINING CENTER SITE AT**  
43 **BAINBRIDGE AND THE PROPOSED DEVELOPMENT OF NEIGHBORING PARCELS. DUE TO ITS LOCATION AND**  
44 **ACCESS TO WATER, THE BAINBRIDGE SITE IS ZONED FOR COMMERCIAL AND INDUSTRIAL FACILITIES WITH**  
45 **LARGE WATER REQUIREMENTS. THE SYSTEM WILL ULTIMATELY BE CONNECTED TO THE PLANNED**  
46 **LARGER ARTESIAN WATER MARYLAND SYSTEM THROUGHOUT CECIL COUNTY. IT IS ANTICIPATED THAT**  
47 **THE IMPROVEMENTS WILL HAVE MULTIPLE PHASES OF CONSTRUCTION.**

48 **PHASE 1 INCLUDES EXPANSION OF THE EXISTING WATER TREATMENT FACILITY TO A TREATMENT**  
49 **CAPACITY OF 1.1 MGD. THIS WILL BE ACCOMPLISHED BY RETROFITTING EXISTING TREATMENT**  
50 **EQUIPMENT AND REPLACING PUMPS. DOWNSTREAM FROM THE WATER TREATMENT PLANT, NEW**  
51 **PUMPS WILL BE INSTALLED AT THE EXISTING HILLSIDE PUMP STATION. THIS STATION WILL THEN PUMP**  
52 **TO A NEW BOOSTER STATION AND TANK COMPLEX ON THE BAINBRIDGE PROPERTY. THIS NEW STATION**  
53 **WILL BE RESPONSIBLE FOR PRESSURING THE BAINBRIDGE DISTRIBUTION SYSTEM. THIS WILL REQUIRE AN**  
54 **EVALUATION AND POSSIBLE REPLACEMENT OF EXISTING WATER LINES ON THE PROPERTY. IN ADDITION**  
55 **TO THESE PERMANENT INSTALLATIONS, A PORTABLE PACKAGE PLANT MAY BE UTILIZED TO SUPPORT**  
56 **CONSTRUCTION AND SUPPLEMENT TREATMENT CAPACITY.**

57 **PHASE 2 INCLUDES AN EVALUATION, PERMITTING AND CONSTRUCTION OF THE INTAKE FOR AN**  
58 **INCREASED DEMAND OF UP TO 10.0 MGD. ADDITIONAL TREATMENT CAPACITY WILL BE INSTALLED AT**

59 **THE PORT DEPOSIT WATER TREATMENT PLANT AND A NEW SITE AS REQUIRED TO SUPPLY ANTICIPATED**  
60 **DEMANDS OF THE BAINBRIDGE PROPERTY. THESE FACILITIES WILL REQUIRE ANCILLARY IMPROVEMENTS**  
61 **SUCH AS THE RESTORATION OF EXISTING RAW WATER MAINS, RECONNECTING SUPPLY PIPELINES AND**  
62 **ADDITIONAL PUMPING/PRESSURIZATION CAPACITY. THIS PHASE WILL BE CONSTRUCTED IN SUB-PHASES**  
63 **AS THE BAINBRIDGE AND SURROUNDING AREA ARE BUILT OUT.**

64 **PHASE 3 CONSISTS OF CONNECTING PORT DEPOSIT SYSTEM TO THE LARGER PROPOSED ARTESIAN**  
65 **WATER MARYLAND SYSTEM DESCRIBED THROUGHOUT THIS PLAN. ARTESIAN PLANS TO INSTALL A**  
66 **SUFFICIENT DIAMETER MAIN STARTING FROM THE SOUTHEAST SIDE OF THE PORT DEPOSIT TERRITORY TO**  
67 **THE PROPOSED INFRASTRUCTURE FROM THE OTHER ARTESIAN SYSTEMS.**

68 **REVISED TABLE 6: SUMMARY OF PLANNED WATER SUPPLY IMPROVEMENTS, IS SHOWN IN EXHIBIT A.**  
69 **REVISED TABLE 14: IMMEDIATE, 5 AND 10 YEAR PRIORITIES FOR WATER DEVELOPMENT -**  
70 **ARTESIAN WATER MARYLAND SYSTEM, IS SHOWN IN EXHIBIT B.**

71 **REVISED TABLE 15: ARTESIAN WATER MARYLAND - PROJECTED WATER SUPPLY DEMANDS AND**  
72 **PLANNED CAPACITY IS SHOWN IN EXHIBIT C-1 and C-2.**

73 **REVISED TABLE 17: ARTESIAN WATER MARYLAND - COMMUNITY WATER SYSTEMS - EXISTING**  
74 **TREATMENT FACILITIES IS SHOWN IN EXHIBIT D.**

75 **REVISED MAP: PROPOSED MASTER WATER PLAN - 2014, IS SHOWN IN EXHIBIT E.**

76 **REVISED MAP: MASTER WATER PLAN - WATER SERVICE DISTRICTS - ARTESIAN (PORT DEPOSIT,**  
77 **MOUNTAIN HILL, CARPENTERS POINT) AND PERRYVILLE, IS SHOWN IN EXHIBIT F.**

78 **C. SERVICE TERRITORY**

79 **MAPS IN APPENDICES E AND F SHOW THE LOCATION OF THE PORT DEPOSIT SERVICE AREA.**

80 **BE IT FURTHER RESOLVED BY THE COUNTY COUNCIL OF CECIL COUNTY, MARYLAND,** that the text,  
81 **TABULAR AND MAP** amendments shall be submitted to the Maryland Department of the Environment for  
82 its approval pursuant to §9-507 of the Environment Article of the Annotated Code of Maryland.

83 **AND BE IT FURTHER RESOLVED** that this Resolution shall take effect on the date of its passage by the  
84 County Council of Cecil County, Maryland.

INTRODUCED: \_\_\_\_\_

ADOPTED: \_\_\_\_\_

---

President of the Council

ATTEST:

---

Council Manager