

## DC WATER BLUE PLAINS CAMPUS – WIRELESS LAN

<b>Customer: District of Columbia Water &amp; Sewer Authority (DC Water)</b>	
<b>Performance Period: 2016 - 2017</b>	
<b>Status: Successfully Completed</b>	

DC Water’s mission is to provide retail water and wastewater (sewer) service to the District of Columbia and wholesale wastewater treatment services to Montgomery and Prince George’s counties in the State of Maryland, and Fairfax and Loudon counties in Virginia. As part of this mission, DC Water operates the Blue Plains Advanced Wastewater Treatment Plant. Covering an area of 150 acres on the bank of the Potomac River at the southernmost tip of the District, Blue Plains is the largest advanced wastewater treatment facility in the world.





## ***References***

Today's technology requires not only the use of advanced fixed data networks, but also demands the interconnection of mobile and portable devices within the network. It is therefore necessary to leverage wireless infrastructure to accomplish an organization's business and technological goals. Wireless communications are increasingly becoming critical to industrial processes and the ability of DC Water's communications capacity to meet current and future requirements will determine how quickly it can adapt to changing operational needs within an ever-expanding organization.

The Blue Plains facility had experienced unprecedented growth and was continuing to improve its equipment and technology in the process of waste water treatment. This brought forth a pressing need for DC Water to extend their indoor Local Area Network to provide 100% coverage of the entire outdoor Campus.

**This is why DC Water turned to Morcom International to provide a solution.**

Extending an existing relationship that goes back over 5 years, Morcom International's extensive expertise in Project Management, RF propagation design and physical installation came to the forefront and provided DC Water with a state of the art, turn-key Wi-Fi solution that exceeded the required data throughput across the entire Campus. The installation was successfully completed in early 2017.





## References

Using state of the art Cisco Access Points, Morcom International installed and commissioned a Wi-Fi mesh system comprising 42 Access Points operating at the 2 GHz and 5 GHz bands. The DC Water Blue Plains Campus is an extremely challenging environment to install such a system due to the myriad of pipes, tunnels, tanks, pumps and other infrastructure required to provide a world-leading waste water treatment plant. However, Morcom's experience, versatility and ingenuity proved once again, that Morcom International is the choice of solution providers in the challenging and exciting world of wireless communications.

