

HydroFLOW Cooling Tower Inspection Report

Nellis Air Force Base

Updated on June 26, 2019



Background



On Saturday July 18th, 2015, Senior Airman Buckanan and Airman Payne accompanied a local *HydroFLOW* representative in the inspection of cooling tower 11. This cooling tower was used to conduct a 6-month product evaluation of Hydropath technology, which powers the *HydroFLOW* water conditioning devices.

Inspection



Due to equipment malfunction, the cooling tower's conductivity meter read 14,000 μ S, which was 6 times too high. Airman Payne repaired the damaged system and reset the controller back to the normal operational parameters of 2,300 μ S. No significant hard scale or bio buildup was observed on the nozzles or infrastructure.

Inspection



Instead of the hard scale that typically accumulates inside the cooling tower, loose brown mud-like material was found. A garden hose was used to easily remove the mud-like substance from the fill material and the drift eliminators.

Inspection



Senior Airman Buchanan and Airman Payne pictured next to the scale that was removed from the drift eliminators. The pile measured 30” in circumference at the base and 24” at the top, the depth was approximately 6”.

Testimonial

May 3, 2016

We installed a *HydroFLOW* device on one of our cooling towers about a year ago and have not utilized any industrial water treatment chemicals at all in the last 9-10 months of operation. All scale was removed by the device, there has been no bio-fouling or return of scale matter since the removal of chemicals.

James Romero

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HVAC/MECHANICAL/CONTROLS SYSTEMS FOREMAN



A *HydroFLOW* model 160i was installed on cooling tower 11. During the month of March 2019, a *HydroFLOW* representative inspected the cooling tower and 160i - both were in excellent operating condition. For additional information, please contact Randy Wood: 972-533-6225.