

CLERMONT CO. BOARD OF COMISSIONERS
BOB MCEWEN WTP
BATAVIA, OHIO



Project Description

The project consisted of modifications to and demolition of components of the existing water treatment plant unit processes and structures, as well as addition of new structures/unit processes to expand capacity of the existing Bob McEwen Water Treatment Plant (BMW WTP) from 10 MGD to 20 MGD. Also included was the addition of a GAC Facility to enhance the level of treatment at the WTP. The work consisted of installing two pumps at the raw water lake intake pump station, a 20" raw water main, modifications to the existing rapid mix tank, addition of an 8 MGD flocculation (4 stage) and sedimentation (2 compartment) basin (Train 3), modifications to the existing sludge pump station (piping and control), addition of freeze protection to the existing flocculator drives, media replacement in the existing gravity filters, bid alternate items for air scour backwash addition and for filter-to-waste to rapid mix, addition of an 18 MGD intermediate pump station and a six gravity contactor GAC facility and associated building, modifications to the existing backwash, spent backwash to waste pipes, and chemical feed systems (chlorine, polymer, alum, sodium hydroxide, and potassium permanganate), installation of one pump at the finished water pump station, addition of a second 30" finished water main, replacement of the plant-wide SCADA system, and all other associated.

At a Glance

Contract Amount:
\$10.3 M

Notice to Proceed:
January 10, 2011

Completion Date:
March 15, 2013

MGD:
10

Owner:
Clermont County Board of
Commissioners

Engineer:
Burgess & Niple