



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

October 16, 2015

Jay Davoll, Public Services Director
City of Apopka
PO Box 1229
Apopka, FL 32704
jdavoll@apopka.net

Re: City of Apopka
PW Facility ID #3480200
Orange County

Dear Mr. Davoll:

Department personnel conducted an inspection of the above-referenced facility on October 9, 2015. During the inspection, disinfection byproduct data from 2004 through the present was reviewed. Based on the information provided during the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Patrick Farris at 407-897-4137 or via e-mail at Patrick.Farris@dep.state.fl.us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Nathan Hess".

Nathan Hess, Manager
Central District
Florida Department of Environmental Protection

Enclosure: Inspection Report

cc: Kevin Burgess, kburgess@apopka.net

State of Florida
Department of Environmental Protection
Central District

WATER TREATMENT PLANT COMPLIANCE REPORT

Plant Name City of Apopka County Orange PWS ID # 3480200
Plant Location Corner of Park Avenue and Grossenbacher Drive Phone 407-703-1787
Owner Name City of Apopka, Attn: Jay Davoll, Public Services Director Phone 407-703-1731
Owner Address PO Box 1229, Apopka FL 32704-1229
Contact Person Kevin Burgess Title Water Resources Operations Manager Phone 407-703-1731
Email Address _____

This Inspection Date 10/9/15 Last C.I. Date 11/12/08 Last Survey Date 9/24/14

PWS TYPE: Community

CHLORINATION (Disinfection) Type: ☐ Gas ☒ Hypo
Make (3) Sigma Capacity 17 gph
Chlorine Residuals: Plant 2.6 Remote 2.0

PLANT CATEGORY & CLASS: (5C)

MAX-DAY DESIGN CAPACITY: 24.1 MGD

TREATMENT PROCESSES IN USE

Aeration, hypochlorination

STORAGE FACILITIES

(G) Ground (C) Clearwell (E) Elevated
(B) Bladder (H) Hydropneumatic / flow-through

Tank Type/Number	N/A	N/A
Capacity (gal)	N/A	N/A
Gravity Drain	N/A	N/A
By-Pass Piping	N/A	N/A
Protected Openings	N/A	N/A
Sight Glass or Level Indicator	N/A	N/A
PRV/ARV	N/A	N/A
Pressure Gauge	N/A	N/A
On/Off Pressure	N/A	N/A
Access Secured	N/A	N/A
Access Manhole	N/A	N/A
Tank Sample Tap Location	N/A	N/A

SERVICE AREA CHARACTERISTICS

Municipality
Food Service: ☐ Yes ☐ No ☒ N/A
Number of Service Connections 21,404
Population Served 59,931 Basis 9/15 MOR

OPERATION & MAINTENANCE

O&M Log: ☒ Yes ☐ No Location WTP

CERTIFIED OPERATOR: Yes

Operator(s) & Certification Class-Number:
Daniel Ribnikar B-14180 (lead), Charles Whitehead
A-12937, Kenneth Krouse A-15195, Sheryl Hammond
C-20788, William Connor B-14046

RAW WATER SOURCE

Number of Wells N/A
Standby Power Source: Yes
6' X 6' X 4" Concrete Pad: N/A
Well Casing Sanitary Seal: N/A
Raw Water Sampling Tap: N/A
Above Ground Check Valve: N/A
Security: Satisfactory
Other Sanitary Hazards: None observed

OTHER

Flow Measuring Device: Flow Meter
Meter Size & Type: 36" Venturi
Cross-Connections: None observed

COMMENTS:


- This inspection was conducted due to a complaint regarding high chlorine residuals and Disinfection By-Products (DBPs).

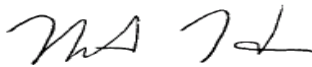
A review of the Stage II Disinfection By-Product ("DBP") plan and results was conducted. The system began Stage II DBP monitoring in November 2013. Under the Stage II DBP rule, the system is required to monitor four (4) locations in the distribution system quarterly for both Total Trihalomethanes and Total Haloacetic Acids. There have been no Maximum Contaminant Level (MCL) violations.

Prior to November 2013, the facility was under the Stage I DBP rule, in which monitoring began in January 2004. The system was required to monitor at five (5) locations in the distribution system quarterly for both Total Trihalomethanes and Total Haloacetic Acids. During this time, the system had no MCL violations.

Also, the field chlorine testing procedures were discussed. The facility staff check their colorimeters daily with secondary standards. The colorimeters and secondary standards are sent to Aqua Pure Laboratory to be verified quarterly against primary standards. This is above and beyond the annual verification against primary standards as per DEP SOP FT 2000. Field chlorine measurements are taken at the time of DBP sampling and recorded on the laboratory's chain of custody sheets.

The chlorine residual measured at the point of entry at the Grossenbacher water treatment plant was 2.6 mg/L. A remote chlorine residual measured at 1681 Parkglen Circle was 2.0 mg/L. Both measurements were taken by the operator and verified with the Department's colorimeter.

Inspector's Signature  Title: Environmental Specialist III Date: 10/13/15


Reviewer's Signature _____ Title: Environmental Manager Date: 10/15/15