

Mr. Brett Icenogle, P.E.
CDPHE-WQCD
4300 Cherry Creek Drive South
Building B-2
Denver, CO 80246-1530

Re: Panorama Ranches HOA Chlorine Contact Improvements

Dear Mr. Icenogle:

SGM is submitting to CDPHE on behalf of the Panorama Ranches HOA this Approval of Construction (AOC) Application to seek approval for proposed chlorine contact improvements to the groundwater drinking water system. Panorama Ranches wishes to increase the tank infill rate to properly meet current and future peak demands during summer months by increasing booster and well pump sizes. Additionally, the threat of wildfires and other emergency scenarios has led Panorama Ranches to want to update their system for redundancy and resiliency, and produce water to meet these emergency needs. By increasing infill rate of tank, the system will need to make improvements to meet required contact time for 4-log virus inactivation. The proposed system in this application is designed to meet these requirements, and ensure a reliable safe drinking water source for the Panorama Ranches HOA community.

The following items are enclosed in this application for your review:

- Tab 1: Drinking Water Design Submittal Cover Page, Checklist, and AOC Application
- Tab 2: Basis of Design Report
- Tab 3: Aerial Vicinity Map
- Tab 4: Process Flow Diagram/Hydraulic Profile
- Tab 5: Proposed Construction Plans
- Tab 6: Well Permits
- Tab 7: Proposed Equipment Specifications
- Tab 8: Distribution Maps
- Tab 9: 100-year FEMA Floodplain Map
- Tab 10: Panorama Ranches By-Laws
- Tab 11: 2018 Monitoring Plan
- Tab 12: Historic Water Quality Data
- Tab 13: International Fire Code Appendix B
- Tab 14: O&M Manual
- Tab 15: Existing Equipment Information
- Tab 16: Operations Details
- Tab 17: Proposed Schedule
- Tab 18: Engineer's Opinion of Probable Cost (EOPC)
- Tab 19: Legal Plat and Easement Agreements

If you have any questions or concerns regarding this Approval of Construction application please contact Maggie McHugh (970-384-9060) or Rick Huggins at (970) 384-9085 at your earliest convenience.

Sincerely,

SGM, INC.



Rick Huggins, PhD, P.E.
Project Engineer

cc: Maggie McHugh, EI, Design Engineer SGM