



COLORADO

Department of Public
Health & Environment

September 21, 2023

Diana Miller, District Manager
Perry Park Water and Sanitation District
5676 West Red Rock Drive
Larkspur, CO 80118

Subject: Amendment of Existing Site Location Approval
Regulation 22 Site Location Approval No. 3251
Perry Park Water and Sanitation District, Waucondah WWTF Aerobic Digestion Facilities
Colorado Discharge Permit System (CDPS) No. CO0022551
Douglas County
ES Project No. ES.22.SA.07218

Dear Diana Miller:

The Water Quality Control Division (Division) has received and reviewed the site location application for the Perry Park Water and Sanitation District's Waucondah WWTF Aerobic Digestion Facilities project. Site location approval number 3251 was issued for the existing treatment plant in June 1979, and subsequently amended on October 11, 1993, March 7, 1996, and July 31, 2000 with no change in design capacity. The treatment plant is located as follows: The NW 1/4 of the SW 1/4 of Section 14, Township 9S, Range 64W, in Douglas County. The treatment plant will continue to discharge to Bear Creek.

The site location application has been found to be in conformance with the Water Quality Control Commission's *Site Location and Design Regulations for Domestic Wastewater Treatment Works, 5 CCR 1002-22* (Regulation 22) and is therefore approved. This site location approval addresses the following summary of the proposed design and the associated conditions:

1. Based upon application information, the treatment works will be designed to receive the following:

The existing hydraulic and organic capacity rating for the Perry Park Water and Sanitation District Waucondah WWTF:

- Maximum Month Average Daily Flow Capacity - 0.32 million gallons per day (MGD)
- Organic Loading Capacity (max. month average) - 855 lbs. BOD₅/day

This approval addresses the following treatment plant modifications/improvements:

- Replacement of digestion facilities with new aerobic digester basins, diffused aeration equipment, sludge holding tank, blowers, blower building and secondary sludge transfer pumps.

2. As a result of the project, the following processes will be utilized at the proposed treatment plant:
 - Liquid Process: Screening, primary clarification, secondary treatment using rotating biological contactors, secondary clarification, UV disinfection, chemical phosphorous removal, and pH adjustment.
 - Solids Process: Aerobic digestion and aerated sludge holding.
3. All conditions of the original Site Location Approval No. 3251 apply except as modified in this amendment.
4. The existing digestion facilities must be properly decommissioned or abandoned as part of the project. All biosolids, sewage, waste materials, and debris must be removed, managed, and/or disposed of in accordance with local, state, and federal requirements.



This site location approval does not constitute design approval for construction. In accordance with Regulation 22, Section 22.13(1), in addition to approval of the site location application the applicant must obtain approval of the design of the treatment works from the Division prior to beginning construction.

This site location approval will expire on March 21, 2025. If construction has not commenced by this date, the approval will expire and a new application for site location approval may be required. Construction is defined as entering into a contract for the erection or physical placement of materials, equipment, piping, earthwork or buildings which are to be a part of a treatment works. In cases where the applicant elects to use in-house work forces, construction shall be considered to begin when any actions are initiated towards the previous activities.

In accordance with Regulation 22, Section 22.4(12), this site location approval is subject to appeal pursuant to the State Administrative Procedures Act.

This approval does not relieve the applicant/owner from compliance with all local, state, and federal regulations prior to construction nor from responsibility for proper engineering, construction and operation of the treatment works.

The Engineering Section is interested in gaining feedback about your experience during the engineering review process. We would appreciate your time to complete a Quality-of-Service Survey regarding your experience during the engineering review process leading up to issuance of this decision letter. The Engineering Section will use your responses and comments to identify strengths, target areas for improvement, and evaluate process improvements to better serve your needs. Please take a moment to fill out our survey [here](#).

If you should have any questions, please contact Kristen Harris by phone at 303-692-3538 or by email at kristen.harris@state.co.us.

Sincerely,

Tyson Ingels, P.E., C.W.P.
Engineering Section Manager
Water Quality Control Division
Colorado Department of Public Health and Environment

cc: Scott Monroe, Perry Park Water and Sanitation District
Joshua Armstrong, GMS, Inc.
Mark Morton, GMS, Inc.
Diane Kielty, Chatfield Watershed Authority
Caitlin Gappa, Douglas County Health Department
Michael Emming, WQCD Engineering Review Unit Manager