



**Regulation 22 Site Location Application Form
Section 22.8 - Interceptor Sewer Not Eligible for Certification**

A. Project and System Information							
System Name	Roxborough Water and Sanitation District						
Project Title	O-Line Replacement						
County	Douglas						
Associated CDPS Permit No.	CO0032999						
Date Fee Paid or payment attached		Invoice Number and Check Number					
Design Company Name	TST Infrastructure, LLC						
Design Engineer	Michael J. Gerstner, P.E.	CO License Number	PE.0045348				
Address	5655 S. Yosemite St, Suite 101						
	Greenwood Village, CO 80111						
Email	mgerstner@tstinfrastucture.com	Phone	303-799-5197				
Applicant/Entity	Roxborough Water and Sanitation District						
Representative Name	Mike Marcum/General Manager						
Address	6222 N Roxborough Park Road						
	Littleton, CO 80125						
Email	Mike@roxwater.org	Phone	303-979-7286				
B. Project Information							
<i>Location (existing or proposed site)</i>			<i>Proposed Project Capacity</i>				
Brief location description	Near Dante Drive and Raphael Lane in Littleton, CO 80125		Maximum Month Average Hydraulic Capacity	N/A MGD			
Legal Description (e.g., Township, Range)	Tract Q-1 River Canyon 1A 1st Amend 15.88 AM/L (T6S & R69W)		Hydraulic Design Capacity - Peak Instantaneous Flow the Interceptor is Capable of Conveying	19.85 MGD			
County	Douglas						
Latitude	39° 29'4"N		Organic Loading Capacity - Treatment Plant Only	N/A lbs. BOD ₅ /day			
Longitude	105° 5'36"W						
Funding Process	Will the State Revolving Fund (SRF) loan program be used to finance any portion of the project?	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	If yes, please list project number	
Project Schedule and Cost Estimate							
Estimated Bid Opening Date	February, 2024						
Estimated Completion Date	October, 2024						
Estimated Project Cost	\$770,000						

Project and System Information	
System Name	Roxborough Water and Sanitation District
Project Title	O-Line Replacement
County	Douglas
Associated CDPS Permit No.	CO0032999
Treatment Entity Information	
1.	Name and address of the treatment plant providing treatment (receiving treatment entity must fill out "Receiving Wastewater Entity Certification")
	South Platte Water Renewal Partners Wastewater Treatment Plant with address 2900 S Platte River Dr, Englewood, CO 80110 and Chatfield Basin Water Reclamation Facility with address 11290 Caretaker Rd, Littleton, CO 80125.
Site Information	
2.	Vicinity maps of site location which includes the following: a) A map identifying the site of the interceptor alignment. b) Service area map identifying the topography, local water bodies, streams, rivers, wetlands, endangered species habitat, domestic wells, drinking water treatment plant intakes and other treatment works (e.g., other interceptor connections), and neighboring land use.
	See Appendix A in the Engineering Report.
3.	Site Location Zoning
	Provide the zoning map of the service area of the interceptor.
	See Appendix B in the Engineering Report.
4.	Flood Plain and Natural Hazards
	Is the site located in a 100-year floodplain or other natural hazard area? If so, what precautions are being taken?
	Yes. See Appendix A in the Engineering Report for 100-year floodplain map. This project is anticipated be completed using a trenchless method. If cost prohibits, the project could be open cut. The project will follow a Douglas County GESC plan during construction to protect adjacent areas and vegetation. Berms to be placed around trench to minimize water from entering excavations. Openings and durations opened will be minimized. New infrastructure will be tested to be water tight.
	Has the flood plain been designated by the Colorado Water Conservation Board, Department of Natural Resources or other agency? If so, please list agency name and the designation.
	Yes, Colorado Water Conservation Board.
5.	Legal Arrangements Demonstrating Control of the Site
	Who owns the land upon which the treatment works will be constructed? Please attach copies of the legal arrangements showing control of the site through ownership, use of public right-of-way or showing the ability of the entity to acquire the site or right-of-way and use it for the project life.
	Ravenna Metropolitan District. See Appendix E in the Engineering Report. Existing sewer easement to be abandoned and new sewer easement to be prepared. Owner is willing to provide new sewer easement and new sewer easement will be provided as soon as obtained.
Project Information	
6.	Flow and Loading Projections: a) Provide flow/loading projections using the design service area population, land use, and unique customer information. Projections must specify the average daily flow, maximum month average daily flow, peak hour flow (or instantaneous flow value based on the service area), and the associated organic loads. b) Provide the design capacity of the interceptor as the peak instantaneous hydraulic flow the interceptor is capable of conveying based on the limiting design conditions (i.e., slope, roughness factor) at a flow depth over internal diameter ratio of 0.8.
	See Appendix C in the Engineering Report.

7.	<p>What entity is financially responsible for the construction of the treatment works?</p> <p>Roxborough Water and Sanitation District</p>
8.	<p>What entity has the financial responsibility for owning and long term operating expense of the proposed treatment works?</p> <p>Roxborough Water and Sanitation District</p>
9.	<p>What entity has the responsibility for managing and operating the proposed treatment after construction?</p> <p>Roxborough Water and Sanitation District</p>

Additional Factors

10.	<p>Please identify any additional factors that might help the Division make an informed decision on your site location application.</p>
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**Applicant Certification and Review Agencies Recommendation
Section 22.8 - Interceptor Sewer Not Eligible for Certification**

Project and System Information	
System Name	Roxborough Water and Sanitation District
Project Title	O-Line Replacement
County	Douglas
CDPS Permit No.	CO0032999

1. Applicant Certification

I certify that I am familiar with the requirements of *Regulation 22 - Site Location and Design Regulations for Domestic Wastewater Treatment Works*. An engineering report, as described and required by the regulations, has been prepared and is enclosed.

Applicant Legal Representative			
Position/Title General Manager	Typed Name Mike Marcum	Signature 	Date 02/06/2024
Email Mike@roxwater.com		Phone 303-979-7286	
The system legal representative is the legally responsible agent and decision-making authority (e.g. mayor, president of a board, public works director, owner). The Design Engineer is not the legal representative and <u>cannot</u> sign this form.			

2. Recommendation of Review Agencies

As required in Sections 22.8(3)(c) and 22.8(3)(d), the application and the engineering report must be submitted to all appropriate local governments, local health authority, 208 designated planning and management agencies and other state or federal agencies for review and comment prior to submittal to the Division. By signing below, the review agency: 1) acknowledges receipt of the proposed site location application, 2) has reviewed the proposed application and may elect to provide comments, and 3) has provided a recommendation concerning the application to the Division. The recommendation should be based on the consistency of the proposed site location application with the local comprehensive plan(s) as they relate to water quality and the approved regional water quality management plan(s). *Please note: Review agencies are encouraged to provide project comments; however, if a review agency does not recommend approval then the agency must attach a letter describing the reason for their decision or comment on the next page.*

Signature of designated Management Agency (i.e., Water Quality Authority, Watershed Association, Watershed Authority)				
Agency Chatfield Watershed Authority	Typed Name Alan J. Leak	Signature 	Date 3/7/2024	
Email alan.leak@respec.com		Phone 720-775-6406	Recommend Approval?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Signature of County, if the site is located in unincorporated areas of a county				
County	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>
Signature of City or Town, if the site is located within a City/Town boundary or within three miles of the City/Town boundary (if multiple, attach additional sheets as needed)				
City/Town	Typed Name	Signature	Date	
Email		Phone	Recommend Approval?	Yes <input type="checkbox"/> No <input type="checkbox"/>

Signature of Local Health Authority					
Agency	Typed Name	Signature		Date	
Email		Phone	Recommend Approval?	Yes	<input type="checkbox"/>
				No	<input type="checkbox"/>
Signature of 208 Designated Planning Agency					
Agency Chatfield Watershed Authority	Typed Name	Signature		Date	
Email		Phone	Recommend Approval?	Yes	<input type="checkbox"/>
				No	<input type="checkbox"/>
Signature of other State or Federal Agencies, if treatment works is located on or adjacent to a site that is owned or managed by a federal or state agency.					
Agency	Typed Name	Signature		Date	
Email		Phone	Recommend Approval?	Yes	<input type="checkbox"/>
				No	<input type="checkbox"/>
Signature of other undesignated Basin Water Quality Authority, Watershed Association, Watershed Authority, etc.					
Agency	Typed Name	Signature		Date	
Email		Phone	Recommend Approval?	Yes	<input type="checkbox"/>
				No	<input type="checkbox"/>

Review Agency Comments:



MEMORANDUM

TO: Colorado Department of Health and Environment
CC: Chatfield Watershed Authority, Roxborough Water and Sanitation District
FROM: TST Infrastructure, LLC
SUBJECT: O-Line Replacement
DATE: February 1, 2024

Douglas County Engineering, Douglas County Community Development Division, and Douglas County Health Department Environmental Health Division were spoken with via phone regarding review for the O-Line Interceptor Replacement Site Application. All Douglas County entities contacted indicated that sewer replacement site applications would not be reviewed by the Douglas County entity.

Attachments: Douglas County Health Department Email Correspondence, Dated January 9th, 2024

From: Jacob Deitz <jdeitz@douglas.co.us>
Sent: Tuesday, January 9, 2024 3:06 PM
To: Mason Kiefer
Subject: Sewer upsizing plan review

Hi Mason,

The DCHD Environmental Health division has no regulatory oversight on the sewer interceptor expansion project for Roxborough Water and Sanitation. We recommend contacting the Douglas County Community Development division at 720.733.6990 to see if they would require any kind of review of this project.

Have a great day,

Jacob Deitz | Environmental Health Specialist I
Douglas County Health Department
Address | 410 S Wilcox St. Ste 101 Castle Rock, CO 80104
Cell | 720-916-4027 **Office** | 720-907-4921
Email | jdeitz@douglas.co.us





**Wastewater Receiving Entity Certification
Section 22.8 - Interceptor Sewer Not Eligible for Certification**

Project and System Information			
System Name	Roxborough Water and Sanitation District		
Project Title	O-Line Replacement		
County	Douglas		
Receiving Treatment Entity Information - Certification of Available Treatment Capacity			
Receiving Treatment Entity	South Platte Renew	Receiving Treatment Plant	South Platte Renew Wastewater Treatment Plant
CDPS Permit No.	CO0032999	Permit Capacity	50 MGD
Site Location Approval No. (attach copy of approval)	4727 (see Attachment 1)	Site Location Approved Capacity	50 MGD
Proposed treatment works capacity impacts on receiving treatment plant			
Proposed maximum month average hydraulic capacity:	1.75 MGD		
Proposed peak hour hydraulic capacity:	6.13 MGD		
Proposed maximum month average organic loading capacity:	3,638 lbs BOD ₅ /day		
Proposed treatment works will increase the receiving treatment plant's hydraulic loading to:	44	(% of total plant capacity)	
Proposed treatment works will increase the receiving treatment plant's organic loading to:	53	(% of total plant capacity)	
Treatment Certification - Section 22.8(3)(b)(iv)(A)			
Yes, the treatment entity will provide treatment	<input checked="" type="checkbox"/>	No, the treatment entity will not provide treatment	<input type="checkbox"/>
Capacity Certification - Section 22.8(3)(b)(iv)(B)			
I certify that the receiving treatment plant is not presently receiving wastes in excess of the design capacity as defined in the above listed site location approval and discharge permit and has the capacity to treat the projected discharge from the proposed treatment works (initial in box).			<i>PVR</i>
OR			
I certify that the receiving treatment plant does not currently have the capacity to serve the proposed project flows but is under construction, or will be in a phased construction of new or expanded facilities, and will have the necessary capacity to treat the projected discharge from the proposed treatment works (initial in box).			
Estimated date capacity will be available			
Note: Projections of flow and loading to the treatment plant over the period during which build out of the service area will occur or twenty years, whichever is less, as well as current and future plant capacity information must be provided to demonstrate the plan for maintaining adequate capacity to treat. Any proposed treatment plant phased construction must be shown in the Water Quality Management Plan or by appropriate planning and engineering studies.			
Compliance Status Certification - Section 22.8(3)(b)(iv)(C)			
I certify that the receiving treatment plant has not been in violation of any effluent limitations in its discharge permit for the last two years (initial in box).			
I certify that the receiving treatment plant is not operating under a Notice of Violation and/or Cease and Desist Order from the Division resulting from discharge permit violations (initial in box).			<i>PVR</i>
Note: If there have been effluent violations or if the treatment plant is operating under a Notice of Violation and/or Cease and Desist Order from the Division, please provide additional description of the situation and the treatment entity's proposed corrective measures to achieve consistent compliance. The Division will evaluate information provided and determine if approval should be granted, granted with conditions, or denied. see Attachment 2			
Signature of Treatment Entity Representative certifying that the information presented above is accurate and complete.			
Position/Title SPR Director	Typed Name Pieter Van Ry	Signature <i>PVR</i>	Date 4/31/24
Email pvanry@englewoodco.gov	Phone (303) 762-2602		

STATE OF COLORADO

Bill Owens, Governor
Douglas H. Benevento, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Laboratory Services Division
Denver, Colorado 80246-1530 8100 Lowry Blvd.
Phone (303) 692-2000 Denver, Colorado 80230-6928
TDD Line (303) 691-7700 (303) 692-3090
Located in Glendale, Colorado
<http://www.cdphe.state.co.us>



Colorado Department
of Public Health
and Environment

June 3, 2004

Mr. Dennis Stowe, Plant Manager
Littleton/Englewood Wastewater Treatment Plant (WWTP)
2900 South Platte River Drive
Englewood, CO 80110

RE: Approval of Plans & Specifications for Littleton/Englewood WWTP Phase 2 Expansion,
Site Application No. 4727, Colorado Discharge Permit System (CDPS) Permit Number
CO0032999
Arapahoe County

Dear Mr. Stowe:

The Water Quality Control Division (Division) has received and reviewed the plans and specifications for construction of the WWTP Expansion. The facility meets or exceeds the applicable requirements of the Design Criteria Considered in the Review of Wastewater Treatment Facilities Policy 96-1, and has been designed to meet the new Preliminary Effluent Limits (PELs) approved by the WQCD for this expanded facility. Approval for construction is hereby issued.

The Documents reviewed were:

- Part A – Bidding and Contract Requirements Volume 1 dated March 2004
- Part B - Contract Specifications Volume 1 dated March 2004
- Part B - Contract Specifications Volume 2 dated March 2004
- Part B - Contract Specifications Volume 3 dated March 2004
- Part B - Contract Specifications Volume 4 dated March 2004
- Part B - Contract Specifications Volume 5 dated March 2004
- Part C – Contract Drawings Volume 1 dated March 2004
- Part C – Contract Drawings Volume 2 dated March 2004
- Part C – Contract Drawings Volume 3 dated March 2004
- Pre-Design Final Report dated October 2001
- Addendum No. 1
- Addendum No. 2
- Addendum No. 3
- Addendum No. 4
- Miscellaneous letters and submittals

The expansion facility is approved for a design flow of 50.0 mgd (maximum monthly flow) and an organic loading of 93,825 lbs BOD₅ per day, and will incorporate nitrification/denitrification for compliance with nutrient (ammonia and total inorganic nitrogen) standards as presented in the Site Application No. 4727 approval letter dated April 23, 2004. The treatment processes effected by this project include but are not limited to the following major components: expansion of existing preliminary, primary clarification, secondary, final clarification, disinfection, and solids handling (including anaerobic digesters and sludge thickening) treatment facilities, solids contact/reaeration system (1 tank), denitrification system (8 filters) with methanol addition, de-chlorination system (Sodium Bisulfite), and odor control improvements.

Conditions of the Approval

- 
1. All change orders and addenda that affect project costs, contract schedule, facility capacity, and/or effluent quality must be submitted to this office for review and approval.
 2. Per the Design Criteria for Potable Water Systems and the Design Criteria Considered in the Review of Wastewater Treatment Facilities Policy 96-1, this project must comply with waterline / sewerline (includes force mains and storm sewers) separation requirements. A variance is required when separation requirements can not be met.
 3. When the project is estimated to be within 30 days of completion, this office must be notified. A representative of this Division may schedule a site visit to conduct a final construction inspection before final acceptance of the project.
 4. A registered engineer on the project must furnish a letter prior to commencement of operation stating the facilities were constructed according to the plans and specifications, and change orders approved by the Division.
 5. Construction and operation shall meet all applicable codes and regulations including the most current Electrical, Fire, Plumbing, and Building Codes. The facility shall conform to all confined space entry requirements including installing signs at entrances to confined spaces.
 6. There shall be warning signs placed on equipment, electrical panels, and in areas with safety concerns to warn operators and visitors of the dangers in those areas of the facility. The warning signs should include but not be limited to: Equipment that starts automatically, high noise areas, chemical storage areas, and high voltage areas. Also, warning signs shall be placed at appropriate locations related to the non-potable water system.
 7. A final Plan of Operations and a draft Operation and Maintenance Manual are required to be submitted for review and approval by 50% of construction. The final Operations and Maintenance Manual is due for submittal and approval at 90% completion of construction and prior to the final payment from the Water Pollution Control Revolving Loan.
 8. Upon completion of construction, final construction drawings should be prepared by the engineer and submitted to the owner.
 9. Construction activities related to this project do not exempt the facility from complying with the Discharge Permit. Proper planning to ensure permit compliance during the construction phase should be a priority before work begins.

10. All conditions of the Site Application approval must be met. By December 31, 2007 the Cities of Littleton and Englewood shall be capable of meeting the more stringent chronic total ammonia limits as shown in the Site Application approval letter.
11. All conditions of the Water Pollution Control Revolving Fund Loan Agreement must be met.

No point source discharges of water and/or contaminants from this facility to the waters of the state are authorized during construction unless a permit for such discharges has been issued by the Division. If you have any questions regarding permit issues or requirements, please contact the Permits Unit at 303-692-3510.

This approval does not relieve the owner from compliance with all local government requirements prior to construction nor from responsibility for proper engineering, construction, and operation of the facility.

After the bids have been opened, the following documents should be submitted to Rick Emerick, Water Quality Control Division, Financial Assistance Program (FAP).

1. A certified tabulation of all bids received.
2. Proof of advertising indicating circulation dates and time for receipt of bids.
3. A copy of the executed construction contract and schedule. Please note that the contractor must maintain adequate fire and extended coverage, workman's compensation, public liability and property damage and "all risk" builders insurance (including blasting where appropriate) during the construction phase of the contract. Copies of the workman's compensation and insurance certificates, performance and payment bonds, and signed statement of non-segregated facilities for all contractors and subcontractors should be maintained by the Project Manager.
4. Submit completed "FORM A – MBE/WBE SUBCONTRACTOR SOLICITATION INFORMATION" as provided in the boiler-plate specifications document.
5. During the construction phase, the borrower and contractor are required to complete "FORM B – MBE/WBE PROCUREMENTS MADE DURING QUARTER" as provided in the boilerplate specifications document. This form must be submitted to the Water Quality Control Division quarterly for submittal to EPA no later than October 31, January 31, April 30, and July 31.

A Pre-Construction Conference must be held prior to initiating construction to discuss: progress payments, change order procedure, progress meetings, and compliance with Federal or State Regulations (including but not limited to MBE/WBE, EEO, Safety OSHA, Etc.). Please contact Rick Emerick at your earliest convenience regarding our attendance and suggested agenda, and for any other questions regarding the bid documents or the Water Quality Control Revolving Fund. Rick Emerick can be reached at (303) 692-3577.

For all other questions, please contact me at 303-692-3566.

Sincerely,

Dennis W. Pontius, P.E.
District Engineer
Technical Services Unit/WQCD

Cc: Warren Brown, P.E., Tri-County Health Department
Stewart H. Fonda, Utilities Director, L/E WWTP
Mark Van Nostrand, L/E WWTP
Charles Caudill, L/E WWTP
Kent Kuster, TSU / WQCD
Lynn Kimble, P.E., Permits Unit / WQCD
Dan Beley, Outreach & Assistance Unit / WQCD
Kirk Petrik, P.E., B&C Engineers
Loralee Evans, WQCD
Rick Emerick, FAP / WQCD
MS3 File

South Platte Renew

Receiving Entity Certification for RWSD O-Line Expansion

Attachment 2: Additional information regarding permit noncompliance

On August 15, 2022 through August 16, 2022, SPR experienced a high influent ammonia event, which led to permit exceedances of total ammonia and TIN on August 16th. Additional information regarding this event was provided to CDPHE in SPR's 5-day report dated August 23, 2022 and its 30-day follow-up report, dated September 23, 2022. SPR investigated the event and has taken proactive measures to prevent similar occurrences in the future.

SPR had failures for its chronic whole effluent toxicity testing for *Ceriodaphnia dubia* in Q3 and Q4 of 2023. The toxicity was intermittent, and SPR is investigating potential causes. In both quarters, the initial compliance sample failed, but SPR concluded accelerated testing with no demonstrated pattern of toxicity.

Neither of these permit compliance issues would be impacted by the proposed O-line expansion project, and SPR has capacity to treat the proposed flows and load.



4300 Cherry Creek Drive South, B2
Denver, Colorado 80246-1530
CDPHE.WQEngReview@state.co.us
303-692-6298

**Wastewater Receiving Entity Certification
Section 22.8 - Interceptor Sewer Not Eligible for Certification**

Project and System Information			
System Name	Roxborough Water and Sanitation District		
Project Title	O-Line Replacement		
County	Douglas		
Receiving Treatment Entity Information - Certification of Available Treatment Capacity			
Receiving Treatment Entity	Dominion Water and Sanitation District	Receiving Treatment Plant	Chatfield Basin Water Reclamation Facility
CDPS Permit No.	CO0041645	Permit Capacity	0.60 MGD
Site Location Approval No. (attach copy of approval)	4444	Site Location Approved Capacity	0.60 MGD
Proposed treatment works capacity impacts on receiving treatment plant			
Proposed maximum month average hydraulic capacity:	0.401 MGD		
Proposed peak hour hydraulic capacity:	1.20 MGD		
Proposed maximum month average organic loading capacity:	1,604 lbs BOD ₅ /day		
Proposed treatment works will increase the receiving treatment plant's hydraulic loading to:	67 (% of total plant capacity)		
Proposed treatment works will increase the receiving treatment plant's organic loading to:	133 (% of total plant capacity)		
Treatment Certification - Section 22.8(3)(b)(iv)(A)			
Yes, the treatment entity will provide treatment	<input checked="" type="checkbox"/>	No, the treatment entity will not provide treatment	<input type="checkbox"/>
Capacity Certification - Section 22.8(3)(b)(iv)(B)			
I certify that the receiving treatment plant is not presently receiving wastes in excess of the design capacity as defined in the above listed site location approval and discharge permit and has the capacity to treat the projected discharge from the proposed treatment works (initial in box).			<i>JB</i>
OR			
I certify that the receiving treatment plant does not currently have the capacity to serve the proposed project flows but is under construction, or will be in a phased construction of new or expanded facilities, and will have the necessary capacity to treat the projected discharge from the proposed treatment works (initial in box).			
Estimated date capacity will be available			
Note: Projections of flow and loading to the treatment plant over the period during which build out of the service area will occur or twenty years, whichever is less, as well as current and future plant capacity information must be provided to demonstrate the plan for maintaining adequate capacity to treat. Any proposed treatment plant phased construction must be shown in the Water Quality Management Plan or by appropriate planning and engineering studies.			
Compliance Status Certification - Section 22.8(3)(b)(iv)(C)			
I certify that the receiving treatment plant has not been in violation of any effluent limitations in its discharge permit for the last two years (initial in box).			<i>JB</i>
I certify that the receiving treatment plant is not operating under a Notice of Violation and/or Cease and Desist Order from the Division resulting from discharge permit violations (initial in box).			<i>JB</i>
Note: If there have been effluent violations or if the treatment plant is operating under a Notice of Violation and/or Cease and Desist Order from the Division, please provide additional description of the situation and the treatment entity's proposed corrective measures to achieve consistent compliance. The Division will evaluate information provided and determine if approval should be granted, granted with conditions, or denied.			
Signature of Treatment Entity Representative certifying that the information presented above is accurate and complete.			
Position/Title <i>OPS MANAGER</i>	Typed Name <i>JOSHUA BAILE</i>	Signature <i>[Signature]</i>	Date <i>3 JANUARY 2024</i>
Email <i>josh.baile@dominionwsd.com</i>	Phone <i>303 551 5176</i>		

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Located in Glendale, Colorado
<http://www.cdphe.state.co.us>



Colorado Department
of Public Health
and Environment

November 7, 2001

Larry Moore
General Manager
Roxborough Park Metropolitan District
6222 N. Roxborough Park Road
Littleton, CO 80125

Re: Site Application #4444
 Douglas County

Dear Mr. Moore:

The Water Quality Control Division has reviewed and evaluated your site application and supporting documentation for re-rating of the capacity of the District's treatment plant located in the N 1/2 of the SE 1/4 of Section 34, Township 6 South, Range 69 West, to serve the Roxborough Park Metropolitan District, and to discharge to the South Platte River.

Prior to the operation of the facility, an amendment to the District's discharge permit will be required which will specify the final conditions and limitations of the operations of the facility. Please contact the Division's Permits Unit regarding amendment procedures.

We find your application to be in conformance with the Water Quality Control Commission's "Regulations for the Site Application Process". Therefore, the site application is approved with the following conditions listed below.

1. Based upon application information, the system design will be for:
Average Daily Flow Capacity - 0.60 mgd
Organic Loading Capacity - 1,200 lbs. BOD₅/day
Treatment Processes to be used - Extended aeration, activated sludge with chemical precipitation/sedimentation phosphorus removal, aerobic digestion, chlorine disinfection and dechlorination
2. Preliminary Effluent Parameter Values:
BOD₅ - 30/45 mg/l (30-day/7-day average)
Suspended Solids - 30/45 mg/l (30-day/7-day average)
Total Chlorine Residual - 0.196 mg/l (daily maximum)
Fecal Coliform - 3,436/6,872 #/100 ml (30-day/7-day geometric mean)
Total Ammonia as N, mg/l (30-day average)

Apr. - 29.0	Sep. - 8.3
June - 20.0	Oct. - 10.0
July - 16.0	Nov. - 15.0
Aug. - 15.0	Dec. - 19.0

Total Phosphorus as P - 1,218 lbs./year
Total Phosphorus as P - 1.0 mg/l (30-day average)

Failure to comply with any other conditions contained herein, will render this approval void and another site application will have to be processed.

3. This site approval will expire one year from the date of this letter if the construction of the project has not commenced by that date. If expiration occurs, you must apply for a new site approval. 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 domestic wastewater treatment works.
4. The design (construction plans and specifications) for the treatment works must be approved by the Division prior to commencement of construction and all construction change orders initiating variances from the approved plans and specifications must be approved by the Division.
5. The applicant's registered engineer must furnish a statement prior to the commencement of operation stating that the facilities were constructed in conformance with approved plans, specifications, and change orders.

In accordance with Colorado Water Quality Control Commission regulations, this approval is subject to appeal as stated under Section 22.8 (7) of "Regulations for the Site Application Process".

This approval does not relieve the owner from compliance with all local regulations prior to construction nor from responsibility for proper engineering, construction, and operation of the facility.

Sincerely,



J. David Holm
Director
Water Quality Control Division

JDH:tlb

cc: TST Infrastructure, LLC - Attn. Bill Goetz
Denver Regional Council of Governments - Attn. Russ Clayshulte
Tri-County Health Department - Attn. Warren Brown
Douglas County Community Development Department - Attn. Peter Italiano, Director
Thomas Bennett, Environmental Protection Specialist, WQCD
Dennis Pontius, DE, WQCD
Susan Nachtrieb, Permits Unit Leader, WQCD
Richard Parachini, South Platte Watershed Coordinator, WQCD
Plant Operator Certification Board, WQCC