



**Water Quality Control Division  
Engineering Section**


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Colorado Department  
of Public Health  
and Environment

**Wastewater Receiving Entity Certification  
Section 22.7 of Regulation 22: Interceptor Sewers Not Eligible for Certification and Lift Stations**

<b>Project and System Information</b>			
System Name	Academy Water & Sanitation District Wastewater System		
Project Title	New Lift Station and Force Main		
County	El Paso		
<b>Receiving Wastewater Entity – Certification of Available Treatment Capacity</b>			
<b>Receiving wastewater treatment entity information</b>			
Receiving wastewater treatment entity and facility	Donala Water & Sanitation District; Upper Monument Creek Regional Wastewater Treatment Facility		
County	El Paso		
CDPS discharge permit number and expiration date	CO0042030, 04/30/20	CDPS discharge permit capacity	1.75 mgd
Site location approval number and date (please attach a copy of approval letter)	#4803, 07/26/2005	Site location approved capacity	1.75 mgd 3,553 ppd
<b>Proposed facility capacity impacts on receiving wastewater treatment facility (projected at buildout or 20 years)</b>			
Proposed project hydraulic capacity, maximum month average	0.040 million gallons per day		
Proposed project hydraulic capacity, peak hour	0.202 million gallons per day		
Proposed project organic capacity, maximum month average	89.9 lbs BOD <sub>5</sub> /day		
Proposed project will increase the receiving treatment facility's hydraulic loading capacity to (% of total capacity)	51.1% current, 68.4% at 20 years		
Proposed project will increase the receiving treatment facility's organic loading capacity to (% of total capacity)	63.5% current, 84.9% at 20 years		
<b>Treatment Certification (22.7 (1)(f) (i))</b>			
I certify that the receiving wastewater treatment facility will treat the wastewater from the proposed wastewater facility project.			
Yes, will provide treatment	<input checked="" type="checkbox"/>	No, will not provide treatment	<input type="checkbox"/>
<b>Capacity Certification (22.7 (1)(f) (ii))</b>			
I certify that the receiving wastewater treatment facility is not presently receiving wastes (hydraulic and organic loads) in excess of the above listed site location approval and discharge permit to treat the projected discharge from the new interceptor sewer or from the new or expanded lift station, as listed above (initial in box).			LR
OR			
I certify that the receiving wastewater treatment facility 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 new interceptor sewer or from the new or expanded lift station, as listed above (initial in box).			
Estimated date capacity will be available			
Note: Projections of flow and loading to the treatment facility 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 treatment capacity. Any proposed treatment plant phased construction must be shown in the Water Quality Management Plan (reference, attach), or by appropriate planning and engineering studies (reference, attach).			
<b>Compliance Status Certification (22.7 (1)(f) (iii))</b>			
I certify that the receiving wastewater treatment facility 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 wastewater treatment facility 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).			
Note: If there have been effluent violations or if the receiving wastewater treatment facility 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.			

I hereby certify that the information presented above is accurate and complete.

Receiving Treatment Facility Representative	Date	Typed Name and Title	Signature
Upper Monument Creek Regional Wastewater Treatment Facility	8.23.16	Kevin Petersen, General Manager Donala Water & Sanitation District	

DONALA WATER AND SANITATION DISTRICT  
UPPER MONUMENT CREEK REGIONAL WASTEWATER TREATMENT FACILITY  
(UMCR WWTF)

CURRENT AND PROJECTED WASTEWATER TREATMENT FACILITY LOADINGS

Treatment Facility Parameters

- ❖ Site Application approved hydraulic capacity: 1,750,000 gpd
- ❖ Site Application approved organic capacity: 3,553 ppd BOD<sub>5</sub>
- ❖ Current UMCR WWTF Loadings
  - Maximum month average day hydraulic loading = 0.864 MGD
    - % of rated capacity = 0.864 MGD /1.750 MGD = 49.4%
  - Maximum month average day organic loading = 2,185 ppd BOD<sub>5</sub>
    - % of rated capacity = 2,185 ppd/3,553 ppd = 61.5%
- ❖ Future UMCR WWTF Loadings
  - 20-year growth projection based on State Demographer's population projections for El Paso County from 2016 to 2036 = 33.9%
    - Hydraulic
      - Projected 2036 maximum month average day hydraulic loading: 0.864 MGD x 1.339 = 1.157 MGD
      - % of rated capacity = 1.157 MGD /1.750 MGD = 66.1%
    - Organic
      - Projected 2036 maximum month average day organic loading = 2,185 ppd BOD<sub>5</sub> x 1.339 = 2,925.7 ppd BOD<sub>5</sub>
      - % of rated capacity = 2,925.7 ppd/3,553 ppd = 82.3%
- ❖ Future UMCR WWTF Loadings Including AWSD Lift Station and Service Area
  - New AWSD Lift Station Only
    - Hydraulic
      - 1.157 MGD (UMCR WWTF) + 0.040 MGD (New AWSD Lift Station) = 1.197 MGD
      - % of capacity = 1.197 MGD /1.750 MGD = 68.4%
    - Organic
      - 2,925.7 ppd BOD<sub>5</sub> (UMCR WWTF) + 89.9 ppd BOD<sub>5</sub> (New AWSD Lift Station) = 3,015.6 ppd BOD<sub>5</sub>
      - % of rated capacity = 3,015.6 ppd/3,553 ppd = 84.9%
  - Entire AWSD Service Area
    - Hydraulic
      - 1.157 MGD (UMCR WWTF) + 0.057 MGD (AWSD Service Area) = 1.214 MGD
      - % of capacity = 1.214 MGD /1.750 MGD = 69.4%
    - Organic
      - 2,925.7 ppd BOD<sub>5</sub> (UMCR WWTF) + 135.0 ppd BOD<sub>5</sub> (AWSD Service Area) = 3,060.7 ppd BOD<sub>5</sub>
      - % of rated capacity = 3,060.7 ppd/3,553 ppd = 86.1%