

January 14, 2020

Lyon County Utilities – Monthly Report

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General

Dayton Sewer

- Wastewater capacity update (as of December 30, 2020)
  - Remaining connections: 451 – 1,029 (worksheet likely to change)
  - Permit modification #1 – Public comment period closed. Permit should be issued soon.
  - Permit modification #2 – Submission by end of February
  - 1/6/2021 meeting with NDEP to outline capacity modeling
  - Capacity modeling with Jacobs Engineering
  - Inflow and Infiltration project nearing completion
  - Collection condition assessment with Farr West

Dayton Water

- EPA approved revision to lead and copper rule

Silver Springs GID

- Starting repairs from summer rain storm damage

# LYON COUNTY UTILITIES DEPARTMENT



34 Lakes Blvd. Suite 103  
 P.O. Box 1699  
 Dayton NV 89403  
 Phone (775) 246-6220 Fax: (775) 246-6223  
 www.lyon-county.org

NDEP Report

Dayton / Mound House Service Area - Wastewater Capacity Summary

12/31/2020

Estimated Connections Remaining:

451	to	1,029
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	Influent			
Wastewater Treatment Capacity <sup>1</sup>	1,100,000 gpd			
Current Flow <sup>2</sup>	920,000 gpd			
Remaining Capacity-Treatment	180,000 gpd			
Average flow per connection: <span style="float: right;">175 gpd</span>				
Remaining Capacity based on Influent flows				
	No. of Connections	Unrealized Flow (gpd) <sup>3</sup>	Remaining Capacity (gpd) <sup>4</sup>	Estimated Connections Remaining <sup>5</sup>
Planning Phase				
Current Capacity Remaining			180,000	1,029
Existing Commitments	160	28,000	152,000	869
Building Permits	124	21,700	130,300	745
Final Map	294	51,450	78,850	451

Notes:

1. Sum of the Rolling A WWTP and South WWTP permitted capacities
2. Average Daily Flow from/to the Rolling A WWTP and South WWTP (12 monthly rolling average)
3. Unrealized Flow: "No. of Connections" x "Average Flow Per Connection"
4. Remaining Capacity: "Remaining Capacity-Treatment" - "Unrealized Flow"
5. Estimated connections remaining. "Remaining Capacity" / "Average Flow per Connection"
6. Estimated Years Remaining. "Estimated Connections Remaining" / "Average connections per year"

gpd: Gallons per Day

Lyon County's commitment to capacity is determined at time of building permit issuance.

Lyon County reserves the right to limit the issuance of building permits to ensure permitted capacity is not exceeded