

NFRWQPA 2011 WATER QUALITY PLAN UPDATE  
Major Point Source Inventory Data

Operating Agency: *Town of Kersey*

CDPS Permit #: CO-0021954

Permit Expires: 10/31/95 - Extended

Description of Treatment Facilities: Influent flow monitoring, grit removal, Sequencing Batch Reactor activated sludge process, UV disinfection.

Treatment Facility Location: SW ¼, SW ¼, Section 16, T5N, R64W

Discharge Location: Middle South Platte Segment 01, SW ¼, SW ¼, Section 16, T5N, R64W.

Stream Segment Classification: COSPMS01b, Class 2 Warm Water Aquatic Life, Recreation Class E, Water Supply, and Agriculture.

Service Area Population:

Existing	2015	2020	2025	2030
1,839	2,132	2,471	2,865	

Capacities:

	Design Capacity	Existing Load	2015	2020	2025	2030	Year at 80% Design	Year at 95% Design
Flow (mgd)	0.380	0.208	0.258	0.313	0.373		2015-2020	2020-2025
Organic (lbs./day BOD <sub>5</sub> )	919	504	625	757	903		2015-2020	2020-2025

Biosolids treatment and disposal: Storage on site and land application.

Treatment level: The degree of treatment required and effluent limitations are outlined in Permit #CO-0021954.

Estimated 5-year construction needs: The Town completed the construction of an activated sludge plant in 2006. This plant should provide the town with adequate treatment facilities into the foreseeable future.