

NFRWQPA 2007 WATER QUALITY PLAN UPDATE
Major Point Source Inventory Data

Operating Agency: *City of Evans*

NPDES Permit #: Evans: CO-0020508 Permit Expires: 11/30/2006 Administrative Extension
 Hill-N-Park: COG-582012 7/31/2004 Administrative Extension

Description of Treatment Facilities: Each plant has two aerated lagoons, polishing pond, and chlorination. The Evans facility also has dechlorination.

Treatment Facility Location: Evans: SE ¼, Section 20, T5N, R65W. Hill-N-Park: NW ¼, NW ¼, Section 36, T5N, R66W.

Discharge Location: Evans: South Platte River Segment 2, SE ¼ of Section 20, T5N, R65W. Hill-N-Park: Unnamed ditch tributary to South Platte River, NW ¼ of Section 36, T5N, R66W.

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

Service Area Population:

	Existing	2010	2015	2020	2025
Evans WWTP	12,723	13,616	14,017	15,404	15,940
Hill-N-Park WWTP	7,933	12,494	17,750	23,246	31,084
Total	20,656	26,110	31,767	38,650	47,024

Capacities:

Evans WWTP	Design Capacity	Existing Load	2010	2015	2020	2025	Year at 80% Design	Year at 95% Design
Flow (mgd)	1.2	0.97	1.07	1.10	1.21	1.26	2003	2010
Organic (lbs./day BOD ₅)	2,772	2,121	2,215	2,280	2,506	2,593	2005	>2010

Hill-N-Park WWTP	Design Capacity	Existing Load	2010	2015	2020	2025	Year at 80% Design	Year at 95% Design
Flow (mgd)	0.5	0.35	0.99	1.40	1.83	2.45	2006	2007
Organic (lbs./day BOD ₅)	1,000	812	2,032	2,888	3,782	5,057	2005	2006

Biosolids treatment and disposal: Biosolids are removed and disposed of on an approximate schedule of 5-7 years.

Effluent limits required beyond secondary to meet stream standards: None

Estimated 5-year construction needs: Interim improvements for the Hill-N-Park facility include re-rating to 0.9 mgd. The city has future plans for a process that would allow for the trading of ammonia loadings from the Hill-N-Park plant to the Evans plant. This would result in the continued use of the Evans facility and the replacement of the Hill-N-Park facility with a 4.0 mgd mechanical plant. The city will also continue to monitor the collection system to identify infiltration problems and repair or replace inadequate lines as funds allow.