

NFRWQPA 2011 WATER QUALITY PLAN UPDATE  
Major Point Source Inventory Data

Operating Agency: *Town of Hudson*

Utility Plan Approved: July 2008

Lagoon: CDPS Permit#: COG-0589000 CDPS Facility#: COG-0589013 Permit Expires: 10/31/2010  
SBR Plant: CDPS Permit #: COG-0589014 Permit Expires: 10/31/2010

Description of Treatment Facilities: Lagoon: Two aerated lagoons, a polishing pond, and chlorination before discharge to the Beebe Seep Canal. Mechanical plant: Influent lift station and headworks, Sequencing Batch Reactor (SBR), chlorination, and dechlorination.

Treatment Facility Location: Lagoon: NE ¼, SW ¼, Section 3, T1N, R65W. SBR Plant: SE ¼, SW ¼, Section 24, T2N, R65W.

Discharge Location: Lagoon: Beebe Seep Canal in the SW ¼, NE ¼, Section 3, T1N, R65W. SBR Plant: Box Elder Creek COSPMS05a

Stream Segment Classification: Lagoon: Unclassified irrigation ditch. SBR Plant: Class 2 Warm Water Aquatic Life, Recreation Class E, and Agriculture.

Service Area Population:

Existing	2015	2020	2025	2030
2988	3299	3643	4022	4268

Capacities:

	Design Capacity Lagoon	Design Capacity SBR	Existing Load	2015	2020	2025	2030	Year at 80% Design	Year at 95% Design
Flow (mgd)	0.197	0.5	0.29	0.35	0.42	0.49	0.53	2019	2024
Organic (lbs./day BOD <sub>5</sub> )	395	1,043	650	800	940	1,100	1,190	2017	2022

Biosolids treatment and disposal:

Treatment level: The degree of treatment required and effluent limitations are outlined in Permit #CO-0589000 and #CO-0589014.

Estimated 5-year construction needs: In 2010 the Town completed the construction on a new mechanical facility located north of Town. This facility will provide adequate capacity for the Town well into the planning future. A new lift station and sewer main will be operational in September 2011 that will deliver existing flows from the Town to the new WWTP. The lagoons will be decommissioned after the new lift station goes on line.