

May 30, 2019

Springville City POTW

Mechanical Plant Status

	Evaluation Year	Construction or Upgrade Year	Age
Headworks	2018	1999	19
Primary Treatment	2018	1997	21
Secondary Treatment	2018	2009	9
Tertiary Treatment	2018	1985	33
Solids Handling	2018	2009	9
Disinfection	2018	2019	0
	Average Daily Flow (MGD)	Average Daily BOD ₅ Load (lb/day)	Average Daily TSS Load (lb/day)
Design Basis or Rated Capacity	6.79	20,140	10,293
2018 Average	3.60	11,425	5,364

Studies

- Conducting WRF asset evaluation.
 - Reviewing draft with consultant
 - Don't agree with some assumptions
- Conducting a regional plant option study with SF and Provo.
 - Include assumptions from WRF asset evaluation study
 - Reviewing draft with consultant

Chemical Tests

- February 2019 – 2 day bench test HYCURA got P below 1mg/L.
- May 2019 – 15 day ERGOFITO Technologies, awaiting results.
- August 2019 – 30 day pilot test using Ferric and Alum.
 - Figure our performance, cost, bio-solids increase.

Benchmarks

- Finalize review of POTW assessment
- Finalize review of Regional Plant Study
 - Discuss findings with SF, Mapleton and Provo
- Evaluate CLEARAS technology
- Present findings to Mayor and Council
- Depending on findings and proposals, make recommendation to the City Council to approve CIP to design and build chosen nutrient removal technology.
- Apply for variance to meet building project schedule.
 - Chemical Removal
 - CLEARAS
 - Regional Plant