

Meeting Agenda - Kick-Off Mtg.

September 8, 2022

Project:	<u>WWFPS Update</u>	KA Proj #:	<u>222041 – 008</u>	Meeting #:	<u>1</u>
Attendees:	<u>Peter Olsen – Keller Assoc.</u>	Notes By:	<u>Maureen Hennenfent, Keller Assoc.</u>		
	<u>Eric Roundy – Keller Assoc.</u>				
	<u>Maureen Hennenfent – Keller Assoc.</u>				
	<u>Mary Lambert – City of Aurora</u>	Location:	<u>Virtual</u>		
	<u>Mark Gunter – City of Aurora</u>				
	<u>Stuart Rodgers – City of Aurora</u>	Next Meeting Date:	<u>TBD</u>		

plain = agenda item

bold/italic = minutes

Facilities Planning Study Update

- 1) Study Objectives
- 2) Design Criteria
 - a) 20-year planning period
 - b) 2043 Population: 1,869 (PSU Estimate)

Updated flow projections from WWFPS

TABLE 1. UPDATED FUTURE FLOWS

Year	Planning Flow (MGD)	Planning Unit Flow (gpcd)	Projected Planning Flow (MGD)			
	2021	2021	2026	2031	2036	2043
Population	1,133	1,133	1,269	1,422	1,594	1,869
ADWF	0.062	55	0.070	0.078	0.088	0.103
MMDWF ₁₀	0.062	55	0.070	0.078	0.088	0.103
AADF	0.062	55	0.070	0.078	0.088	0.103
AWWF	0.068	60	0.076	0.085	0.095	0.112
MMWWF ₅	0.066	58	0.074	0.083	0.093	0.108
PWkF	0.080	70	0.089	0.100	0.112	0.132
PDAF ₅	0.120	106	0.134	0.151	0.169	0.198
PIF ₅	0.153	135	0.171	0.191	0.215	0.252

c) Updated loading projections

TABLE 2. HISTORICAL UPDATED LOADING ANALYSIS

	Planning Criteria			Loading Projections					
Year	2015			2018	2023	2028	2033	2038	2043
Est. Population	950			994	1,065	1,142	1,224	1,281	1,869
MMWWF₅ (MGD)	0.065			0.068	0.073	0.078	0.083	0.087	0.127
<i>Units</i>	<i>mg/L</i>	<i>PPD</i>	<i>ppcd</i>	<i>PPD</i>					
BOD₅	273	148	0.156	155	166	178	191	200	291
TSS	337	183	0.192	191	205	219	235	246	359

TABLE 3. UPDATED FUTURE LOADING

	Planning Criteria			Loading Projections			
Year	2021			2025	2030	2035	2043
Est. Population	985			1,104	1,236	1,385	1,869
MMWWF₅ (MGD)	0.067			0.076	0.085	0.095	0.128
<i>Units</i>	<i>mg/L</i>	<i>PPD</i>	<i>ppcd</i>	<i>PPD</i>			
BOD₅	504	284	0.29	318	356	399	538
TSS	435	245	0.25	274	307	344	464

3) Future growth remains unchanged.

4) RFI Items

 a) Any known violations or operational events/changes in the last 6 months? - **None**

 b) Permit status – **Permit received and took effect 08/01/2022. City to send permit to KA.**

5) Schedule

- a) Project completion by February, 2023.
- b) Next planning meeting for October, 2022 to cover existing system evaluation.

Task	Completion Date
Kickoff Meeting	9/8/2022
Tasks 1-3	September, 2022
Planning Criteria Writeups	September, 2022
Task 4	September, 2022 (Late)
Existing Treatment Plant Writeups	October, 2022
Planning Meeting #2	October, 2022
Task 5	October, 2022
System Improvement Writeups	October, 2022
Task 6	October, 2022
Alternatives Writeup	November, 2022
Planning Meeting #3	November, 2022
Task 7	November, 2022
Proposed Projects Writeup	December, 2022
Planning Meeting #4	December, 2022
WFPS Update Writeup	January, 2022
Council Presentation	January, 2022 (Late)
Project Completion	February, 2022

6) Public Involvement

- a) Presentation to Council
- b) Submit to DEQ for review

Other Discussion Items

- 1) *Transitioning to biobags rather than sludge tanks. Salem will no longer accept sludge. The City has not yet needed to dispose of solids. City to send pictures to KA.*
- 2) *Moveable sprinklers are still being used for land application.*

Action Items

- 1) *City to send updated permit.*
- 2) *City to send pictures of biobag/dumpster arrangement.*