

**Nampa WWTP Phase II/III Upgrades  
Design Review Committee  
Thursday, October 18, 2018  
Nampa Wastewater Treatment Plant | 340 W Railroad St  
7:00 AM – 9:00 AM  
MEETING SUMMARY**

---



**Meeting Overview**

On Thursday, October 18, 2018, the Nampa Wastewater Treatment Plant Design Review Committee (DRC) convened its second meeting. The objectives of this meeting were to review permitting and regulatory requirements; review specific design considerations; discuss costs and resource recovery options; and tour the existing Wastewater Treatment Plant. Matt Gregg, Brown and Caldwell, led Design Review Committee members through each topic, addressing questions and concerns as they arose. The following is a summary of the topics discussed and feedback provided at the meeting. Please see meeting materials for more information.

**Meeting Summary**

*Permitting and Regulatory Requirements*

Matt Gregg reviewed the proposed liquid and solid design objectives and product quality requirements as described in DRC Briefing #3, explaining the process for incorporating these features into the reuse permit application to Idaho Department of Environmental Quality. DRC members communicated approval of the proposed process.

*Review of Current Flow and Loadings*

Matt reviewed the sources and amount of current flows, including domestic and industrial contributions, infiltration and inflow, and future domestic contributions. Matt then reviewed how this impacts Nampa's existing wastewater treatment plant capacity in order to provide context for the upcoming discussion on future design capacity assumptions. For more information on current flow and loadings, please see DRC Briefing #4.

Questions and comments included:

- The assumption that all industrial contributors are meeting their maximum allotted discharges inflates the size of the plant design. This increases costs. Future industrial use is hard to predict.
- How are the Simplot hookup fees being managed?
- Can we incorporate data from 2017 into the chart?

*Future Design Capacity Assumptions*

Matt reviewed assumptions regarding projected residential and industrial growth in Nampa, and explained how this growth will impact wastewater flow and load amounts. For more information on future design capacity assumptions, please see DRC Briefing #5. Matt then explained that the design team could potentially modify these assumptions based on industrial user contracts and policies.

Questions and comments included:

- The assumption that industry is always discharging at the maximum rate is a challenge. Industry discharge rates are harder to predict.
- What is the condition we design for?
- Is Amalgamated Sugar considering pre-treatment?

#### *Cost of Service Study Review*

Matt reviewed the Cost of Service study that was conducted at an earlier stage of the wastewater treatment plant upgrade analysis and explained the different rate alternatives were developed.

Questions included:

- Are there any plans to address infiltration or replace old pipe so that rate payers are not shouldering the burden?
- Should we consider this an opportunity to educate the public on water use?
- What year/projected population is the design team planning toward?

#### *Overview of Resource Recovery Options*

Matt reviewed several resource recovery options that could be considered in order to offset costs associated with building and maintaining the wastewater treatment plant upgrades. These resources include recycled water, biosolids, struvite and energy production. Matt explained the capital investments necessary to recover each resource and identified which recovery options currently make the most sense for Nampa. The DRC requested additional information the struvite and energy opportunities.

Questions and comments included:

- It would seem like Class B reuse would be practical, given the local agricultural economy, but not if the capital investment is too high.
- Can we reach out to Northwest Nazarene University's Agricultural Engineering department and see if they would be interested in researching additional resource recovery options?
- How can carbon be recovered? Are there opportunities to reduce carbon emissions?

#### *Parallel Path Approach Update*

Matt provided an update on the Parallel Path, which is the City's legal review of whether Indian Creek should be designated a Waters of the United States. This review is still underway and the DRC will be kept apprised of any legal determinations.

Questions and comments included:

- There was a discussion on NextDoor suggesting a class action lawsuit against the EPA. Is this realistic?
- If we move toward discharging into the Phyllis Canal, can we avoid the whole issue?

#### *Next Steps*

- The next Committee meeting will be Thursday, November 15, 2018, from 7-9 a.m. at the Nampa Public Library.