

**Nampa WWTP Phase II/III Upgrades
Design Review Committee
Thursday, March 10, 2022
Nampa Development Services Center and Teams
7:00 AM – 9:00 AM
MEETING SUMMARY**



Meeting Overview

On Thursday, March 20, 2022, the Nampa Wastewater Treatment Plant Design Review Committee (DRC) convened its 20th meeting. Objectives of the meeting were:

- Provide updates on multiple projects
- Receive comments
- Discuss DRC role moving forward

Action items and recommendations highlighted in **Red Bold**

Meeting Summary

Phase II Construction

- Group D: Finishing up now
- Group F: Currently digging, keep eyes open on site for trucks
 - Jan-Feb: Maintaining plant operations during construction
 - Some supply delays but moving forward
 - 45-50 full time workers: 10 from Jacobs and the rest sub-contractors
 - 100 people have been through safety training and approved to work
 - Contract phasing:
 - Every structure needs its own permit, with sub-permits for specialties
 - 45 total permits
 - Process is streamlined
- **Committee members expressed interest in a site tour**
- Final price (\$8.2 million) has flexibility as funding becomes available
- Design review occurring now by multiple parties. Final design anticipated in May 2022.
- There are some environmental hazards on railroad property found during site evaluation, although not significant and within budget.
- Supply chain, parts availability modifications are occurring
- Items going forward:
 - Private property agreements
 - No property access concerns or delay challenges
 - Engineering support of construction activities
 - IPDES permit for Indian Creek

- City put in application for permit renewal, accepted in August, but still need to issue new permit. Current permit has 50-year compliance. Limits are not changing. This renewal occurs every 5 years.
- The City has spoken with parties about not renewing the firing range lease then will determine how to use that site.
- Permit calls for 90% DO saturation at Clean Water Facility.
- If an industry wants to come in later to get reuse water, they would need to pipe to the facility. It is not likely that an industry would pay that money because it is expensive to get to industrial area. There is the potential for grants to support this – the city is exploring this with a funding plan and rate analysis. Hook up fees should be less than typical. Timber Creek is interested.
 - Water Quality is Class A, just below potable
- It might be possible to drop to Indian Creek, but needs to be probed to determine if limits can be met
- Idaho Power purchase is still a good energy decision (30 year invested, paid off in 7)

Phase II Construction Financial Update

- Group F and D is meeting budget
- Group E under budget
- Financial is on track
- Additional money is due to faster growth
- All money is not exhausted

Recycled Water Program

- We can't get this in place fast enough. It will help with irrigation
- Nampa formed a drought task force and is discussing ways to conserve water. The city will be putting information out to the public about watering practices to help start the season out on a good note.
 - Xeriscaping is on the agenda – HOA's are highest offender of over watering
 - Developers could be required to have a certain percentage or could implement a water audit
 - City is looking into being an example of this
 - Incentive to implement could be reduction in irrigation fee
- Nampa is leading the state on recycled water programs
- Nampa casting wide net for funding including exploring BOR Title XVI WaterSmart Grant Opportunity. Mark Studer will be supporting grant applications after March 15.
 - Decision likely end of calendar year
 - **City will notify this group of the public comment period for this**
- Nampa is the only county entity requesting funding other than fire districts and potentially highway districts
- Some rules regarding federal grant money are still being defined

- Nampa recently requested money from IDEQ's budget. Nampa supports their goal of helping smaller communities however Nampa has a shovel ready project that could benefit and smaller communities aren't ready. Nampa also offers to bring in a percentage of their own money.
- ARPA money can only be used for maintenance, not growth. This meets the criteria.
- Irrigation Districts charge the city a fee to the city, this is included in rates charged to the city
 - o This is same across the city even if districts are charging the city different amounts
- Commercial pays different amounts depending on permeable surfaces

10-Year CIP Development

- Over 5 years since 2017 facility plan was approved
 - o This will be updated to account for changing conditions
 - o **This will be brought back to this group after this summer**

Wastewater Resource Recovery

- Timber Creek, recycle company that makes fertilizer, is interest in taking all bio-solids
 - o They need to build an aeration pad to take Class B to Class A
 - o Requesting a tipping fee of \$34 per ton (10 years), \$35 per ton (5 years).
 - \$25 per ton at landfill
 - If continue to go to landfill they would need to add another employee. Will not need to do that if it goes to Timber Creek.
 - Moving 8,900 tons, with 5% growth per year
 - Estimate 325 loads per year (going up by 100 loads due to lack of storage space)
 - They want it wet, city does not need to dry it out first
 - The city is running out of drying beds to dry it out
 - Driving less distance should also be considered
 - Higher cost in year 1 and 2 due to tipping fee
 - City anticipates breaking even on total with 5-year option
 - 10-year option would put city \$235k ahead
 - City is comfortable with the 10-year
 - The county is not in competition with biosolids to Timber Creek
 - Landfill capacity has uncertainties
 - Timber creek is a city taxpayer, their viability is a factor – Should support local business
 - Timer Creek would like to start construction in 4 months
 - Timber Creek is on track line corner lot, south of Cherry
 - Timber Creek would like to be fully operational by the end of the year
 - Zamzow's is one of the major purchaser of the fertilizer
 - Timber Creek is donating product to city parks
 - **Committee supports the 10-year option**
- Struvite Recovery
 - o Good, stable fertilizer, not separate from biosolids

- Phosphorus Trading Plan
 - o DEQ freshwater trading plan wraps up in October, then will know if this is a viable option
 - o Plant is designed to operate at a certain level, if they can trade, then will operate at a lower level and save money
 - o Mason Creek has one of highest sediment loads going into Boise River
 - Looking at how to reduce the phosphorus load
 - City is less concerned with temperatures
 - Carbon credits also considered
 - Nampa has not committed money yet
 - **Interest in touring Mason Creek facility again when flows are higher**
 - Concern that removal goal is too high

Next Steps

- Updates on where we are at, fiscally
- Opportunities to save money
- Missed opportunity to inform public about progress and why rates may increase
- Next meeting, second quarter (June estimated timeframe)