

Wastewater Treatment and Disposal Upgrade

Community Presentation



November 3, 2010

Tonight's presentation

- Overview
- Background
- Importance of community input
- Next Steps

Overview

- New permit is 5 years past due
- New permit will impact all
 - Residences
 - Businesses
 - Industry

Overview

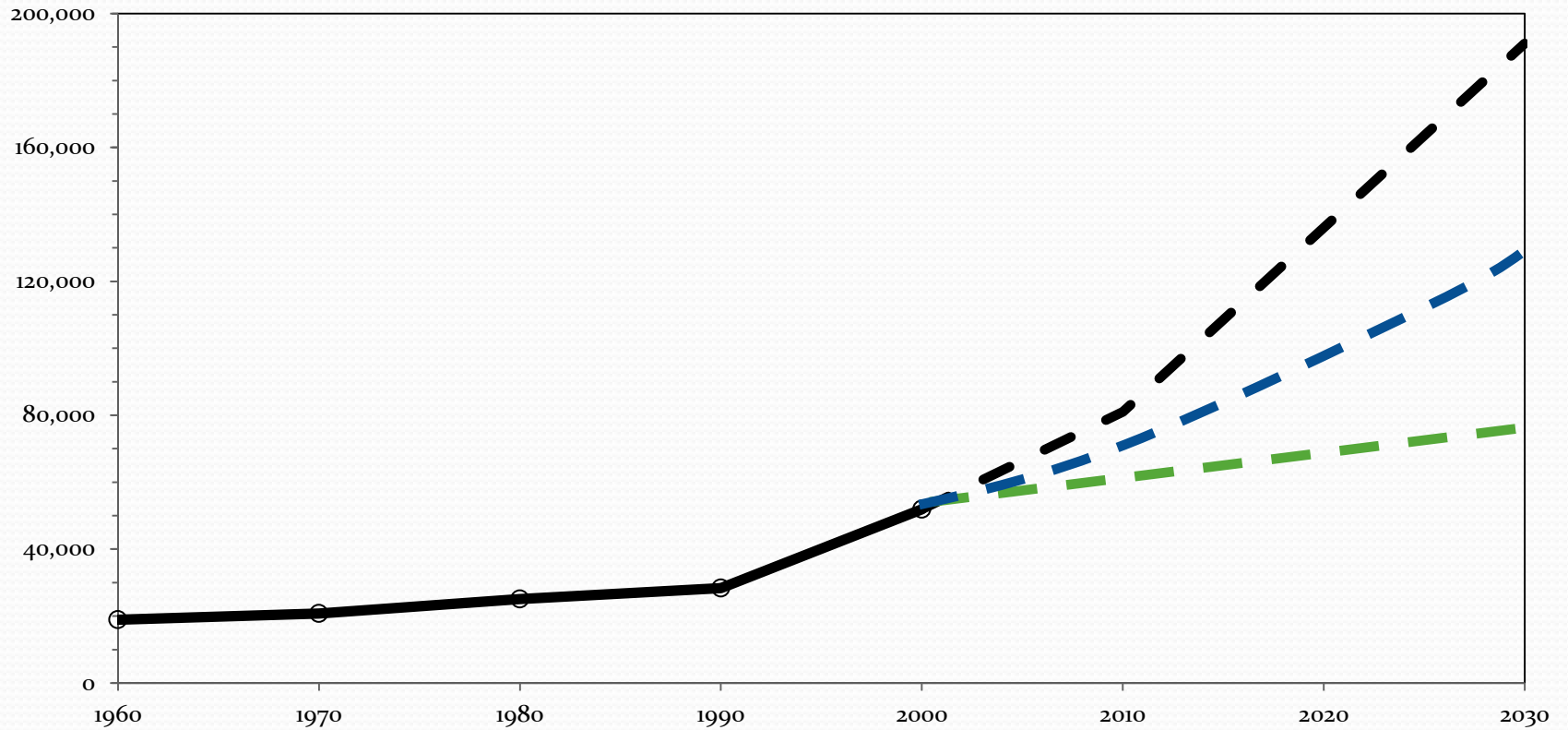
- Phosphorus is primary issue (others exist)
- Multiple options to address new permit
- Nampa is in active negotiations with regulators

Overview

- Your involvement is important
 - Choice in upgrade options
 - Paying for the upgrade
 - Your system

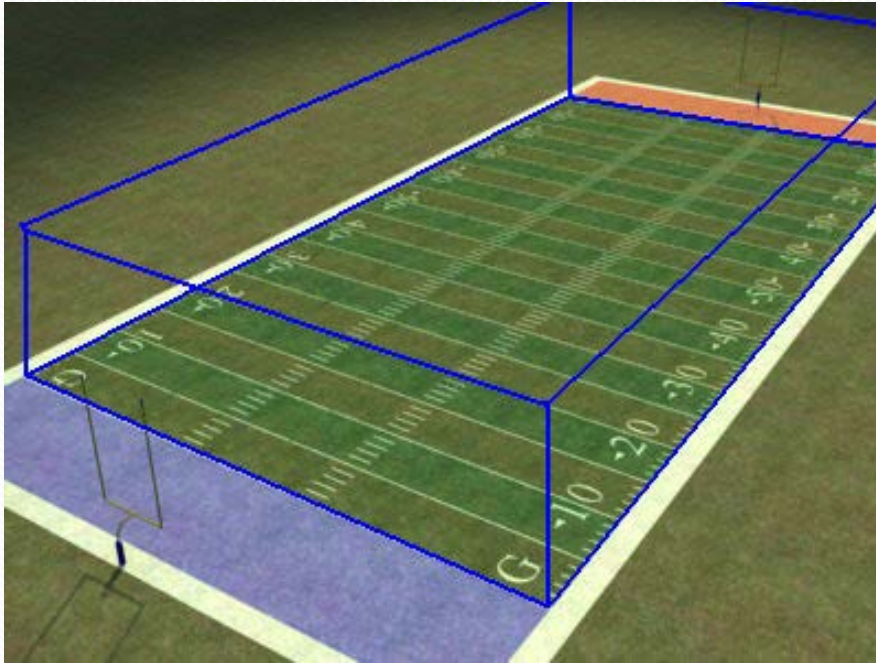
Background

POPULATION GROWTH



Source: Facilities Plan Update January 2009
(Adopted by Nampa City Council in March 2009)

WASTEWATER PRODUCTION



- Football field
- Current conditions
 - 30.5 feet deep
- Future flow
 - 61.3 feet deep

PHOSPHORUS TREATMENT (FUTURE)



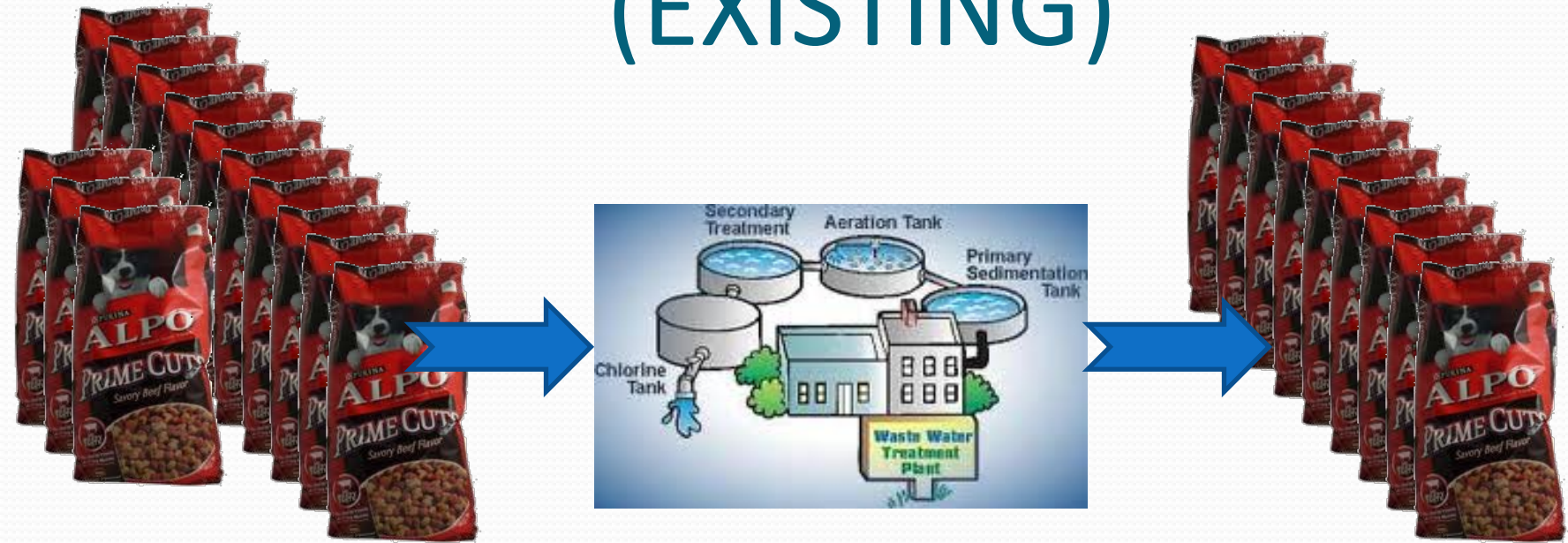
1,650 pounds/day



10 pounds/day

99.4% REMOVAL

PHOSPHORUS TREATMENT (EXISTING)



650 pounds/day

450 pounds/day

30% REMOVAL

PHOSPHORUS TREATMENT (NEXT PERMIT)



1,100 pounds/day



10 pounds/day

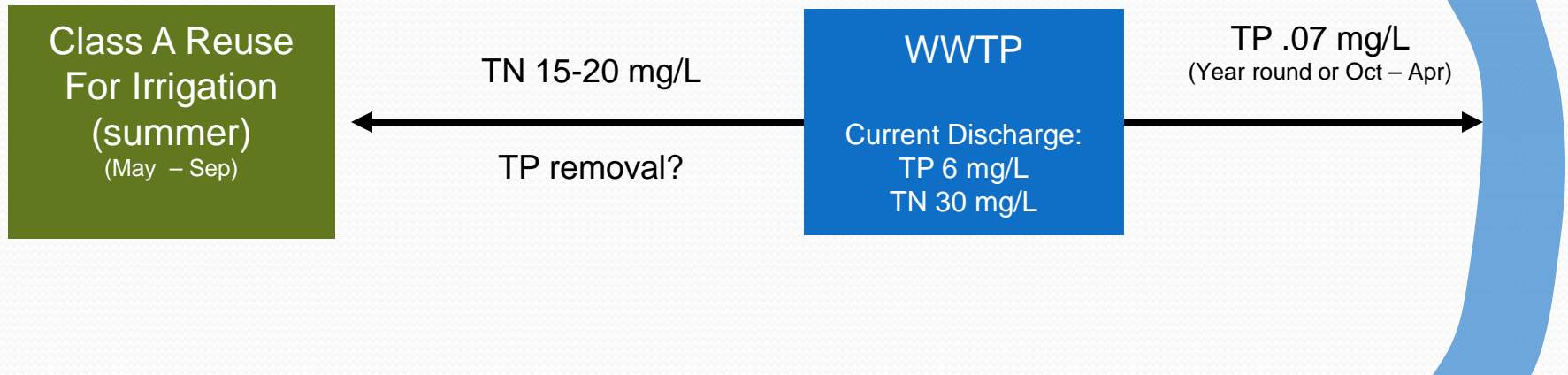
99% REMOVAL

FACILITY SITE PLAN



FACILITY PLAN CONCLUSIONS

- 2009 Wastewater Facility Plan Update recommendations:
 - Utilize phased approach based on seasonal vs. year-round TP limit
 - Combination reuse and river discharge



TREATMENT OPTIONS

- The recommendations in the Facility Plan Update resulted in a fork in the road:



Reuse

River
Discharge

Combination

City decided to perform a Fatal Flaw Analysis on Reuse.

Results: Year-round infiltration as apparent least cost

Community Input

Community input

- **Initial input**
 - Satisfaction with current service
 - Issues important to the community that need to be considered in the upgrade decision
 - Input will be summarized and posted on the website www.cityofnampa.us/wastewater
- **Advisory team will be kept informed**

Community input

- **Survey #2**
 - Will gather input on upgrade options
 - Input will be summarized and posted on the website www.cityofnampa.us/wastewater
- **Additional surveys will gather input on**
 - Preferred upgrade options
 - Funding the upgrade
- **Advisory team will be kept informed**



Next Steps

NEXT STEPS

- **Summarize initial community input**
- **Identify and analyze upgrade options**
- **Involve and gather input from community and industry representatives about upgrade options**