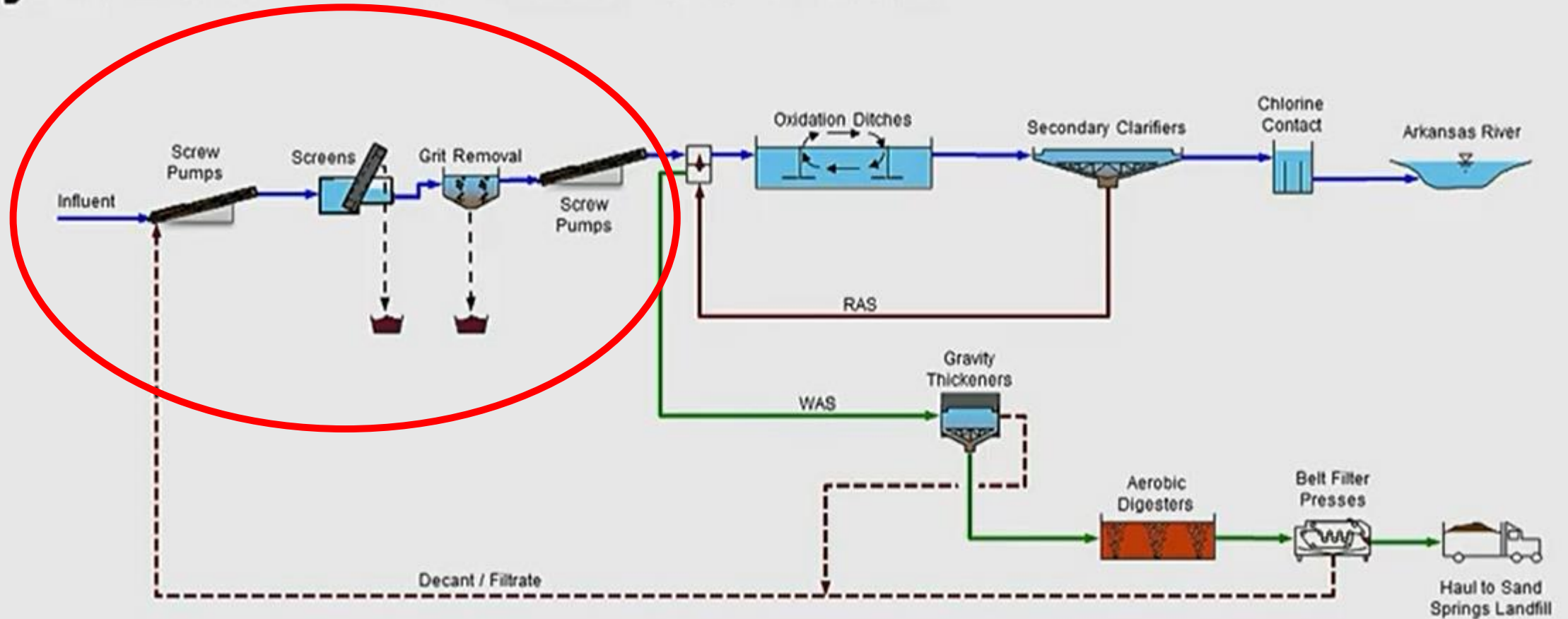


City of Broken Arrow Lynn Lane Water Resource Recovery Facility (WRRF)

Headworks Improvements

Headworks

Lynn Lane WWTP Flow Schematic

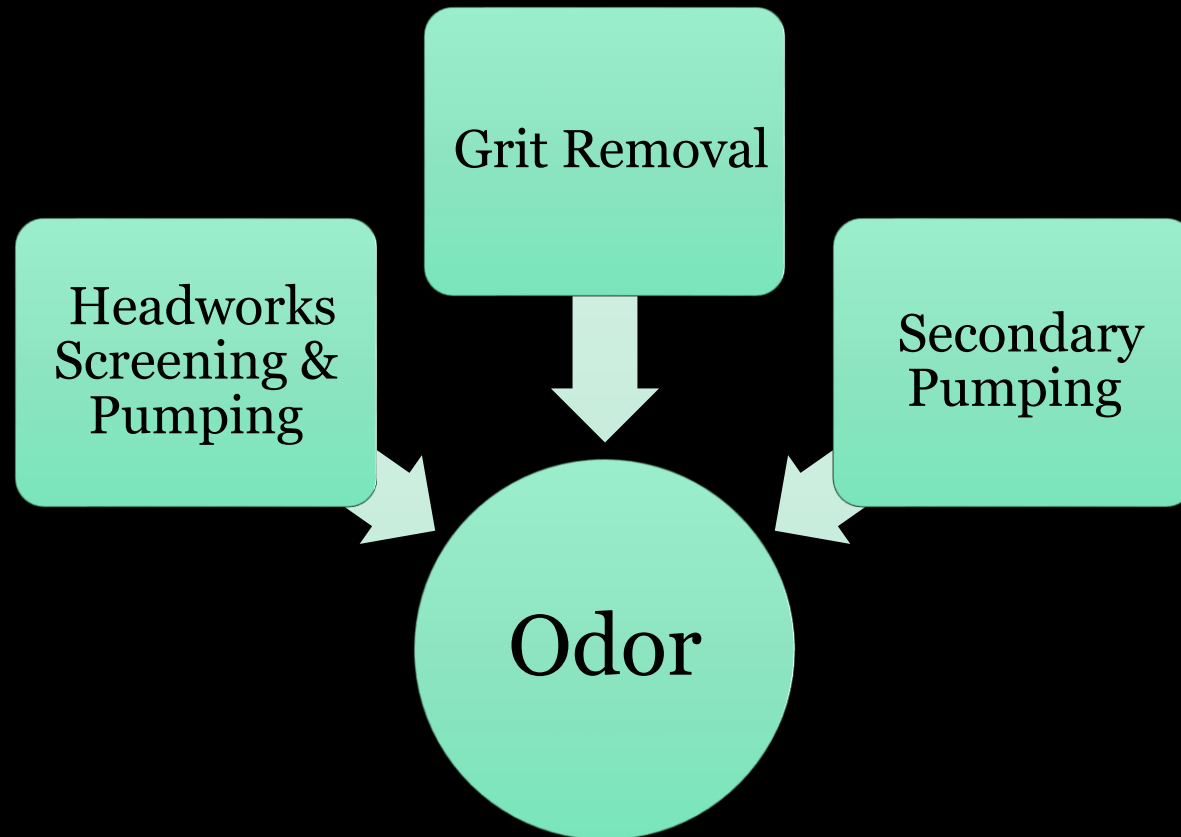


Headworks Issues

- **Constructed over 30 years ago**
- **Equipment/electrical gear - end of its useful life**
- **Odors - from pumping, screening and grit processes**
- **100' buffer between processes and fence line**



2002 Odor Study – 98% are coming from Headworks areas



Headworks Project

- Larger Influent Pipe for increased capacity
- New submersible pumps for efficient pumping
- State of the art screening and grit washing systems
- Bio-filter scrubbing for odor control



Project Start: February 2018

Basin Removal



Progress Update April 2018

Excavation of structure and
preparation of Wetwell





Progress Update July 2018

Wetwell lower portion of structure



Progress Update September 2018

Wetwell, screen area and bio-filter walls completed. Ceiling top for Wetwell and screen being prepared for concrete



Progress Update December 2018

Structure walls near completion

Equipment ready for installation



Current Update February 2019

90% of equipment installed, roof completed, Headcells installed, Bio-filter media ready for installation; Electrical ongoing



In Service
mid-May 2019

Questions ?