LEAD AND COPPER INFORMATION

FEBRUARY 20, 2024

LEAD AND COPPER RULE

- Established in 1991
- Protect public health
- Reduce exposure to lead in drinking water
  - Reduced Action Level (AL) from 50 ppb to 15 ppb
  - Required annual testing of customers taps
  - Cannot exceed AL in more than 10% of samples
- Sources of lead in drinking water
  - Lead pipes
  - Brass or bronze faucets and fixtures

MINOT'S HISTORY WITH LCR

- Exceeded the Action Level in 1997
  - Change in disinfectant during this time
  - Change in corrosion control treatment
- Back in compliance by 1999
  - Discontinued use of Souris River as source water
  - Ran higher calcium levels
  - Increased sampling
  - Switched corrosion control treatment
- Remained in compliance
  - Reduced monitoring – every 3 years
  - Maintained corrosion control treatment

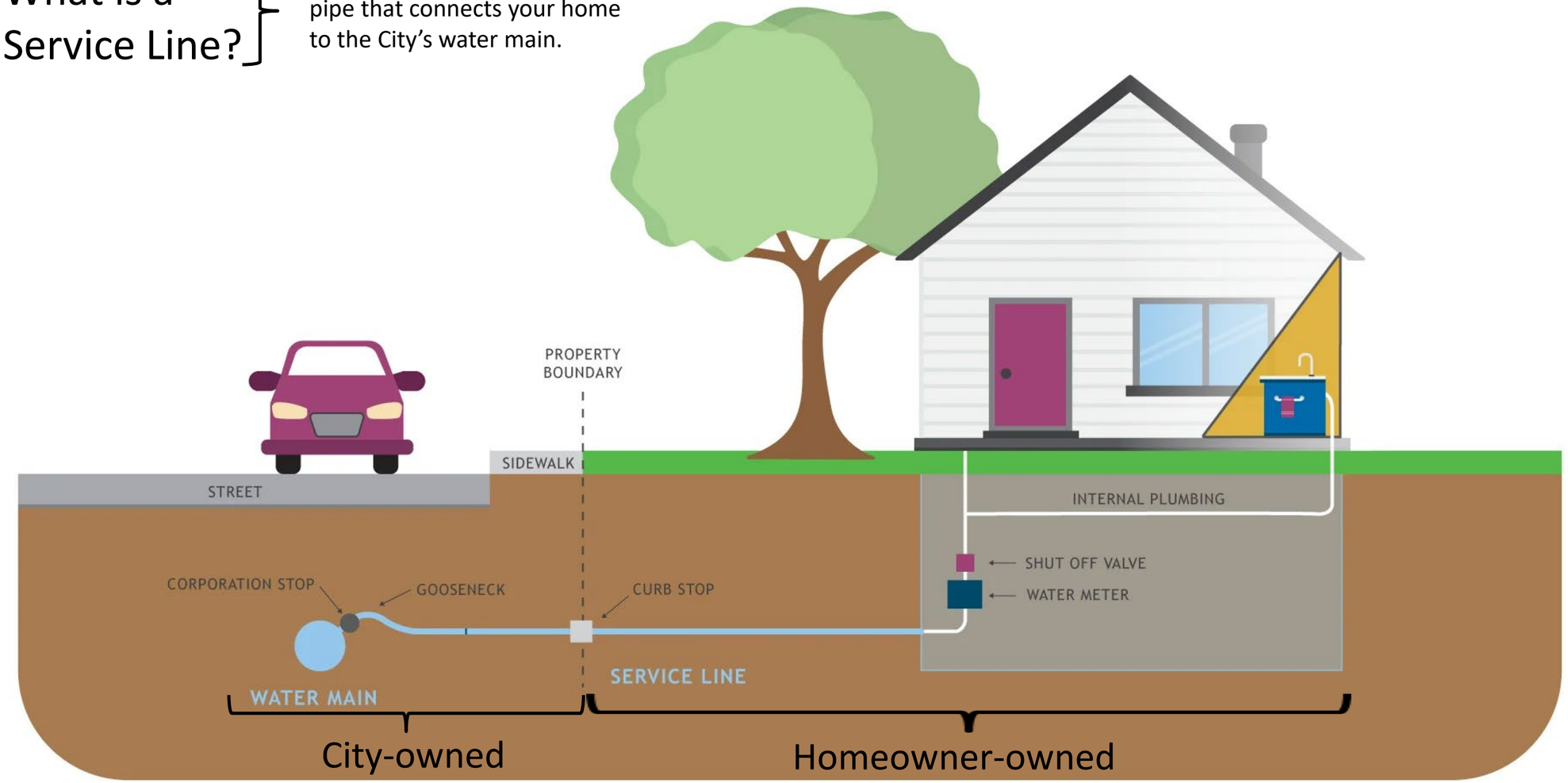
LCR REVISION UPDATE

- 10-Year lead service line (LSL) replacement plan
- Complete service line inventory
- New Sampling Requirements
  - 1st and 5th liter – highest of the two
  - Mandatory testing of all schools and day care facilities
- Establishes a Trigger Level (TL) of 10 ppb
  - Mandatory LSL replacements – 3% per year
- Increased public notification
- Expected final publication late 2024 ⟶ Effective date in late 2027

LCR REVISION UPDATE

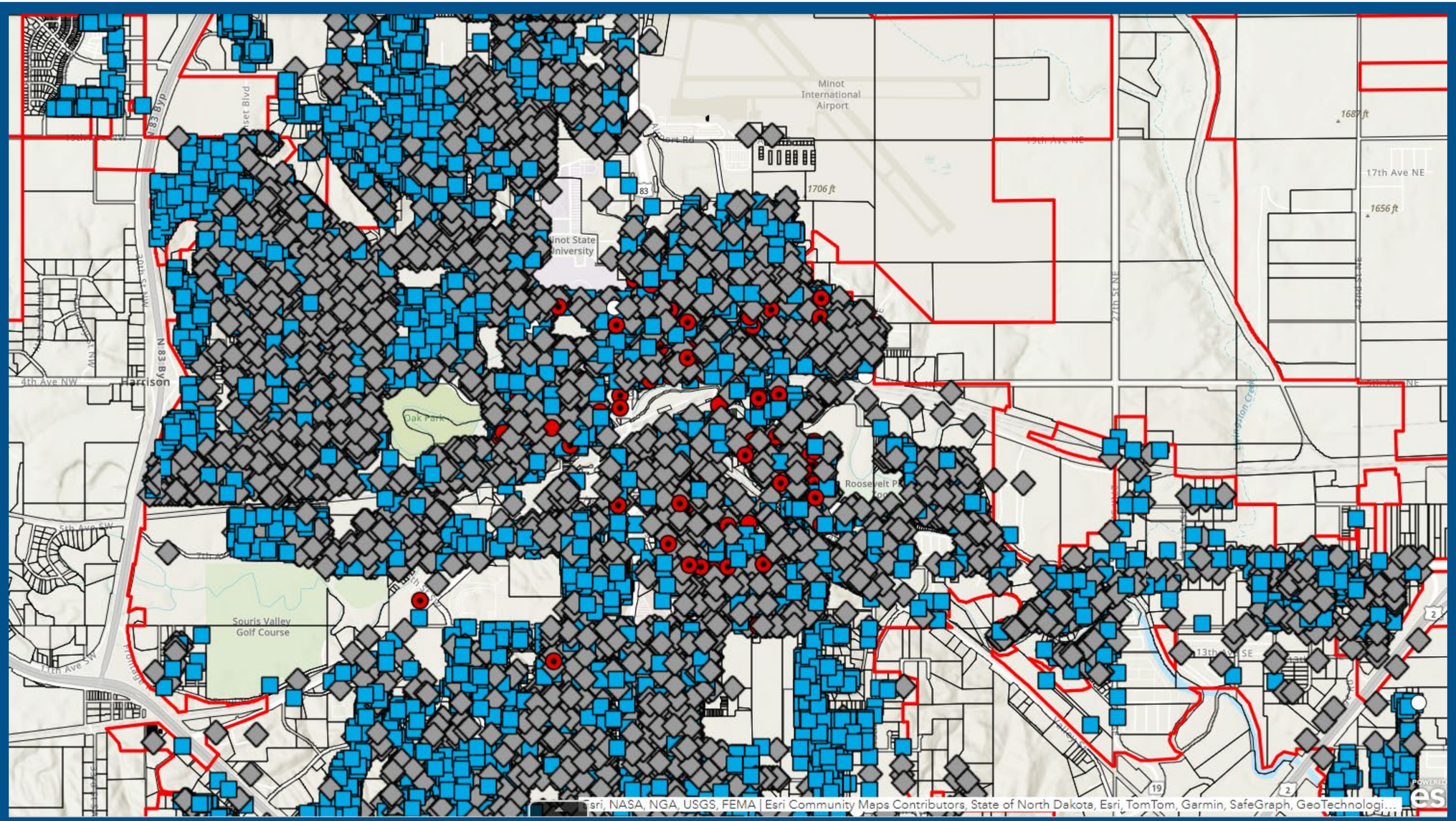
What is a Service Line?

A service line is an underground pipe that connects your home to the City's water main.

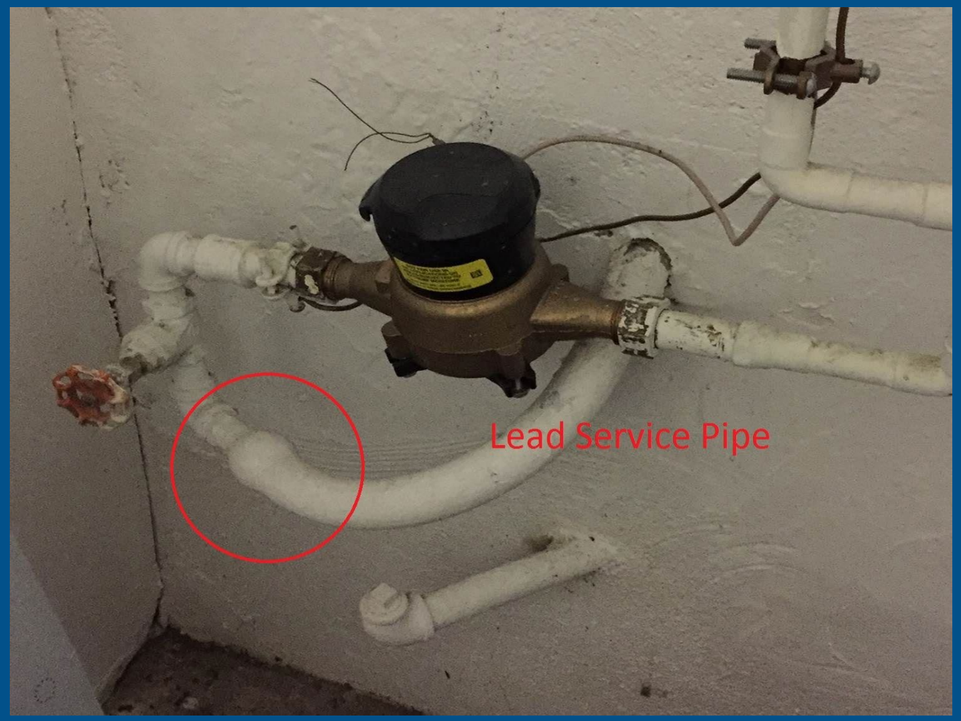


LCR INVENTORY

- Total Service Lines installed prior to 1986 = 16,000
- Total Unknows = 8,265
- Unknows are assumed lead until verified
- Identification
- - Records Research
- - Onsite Visual
- - Water Testing
- - Excavation



LSL IDENTIFICATION

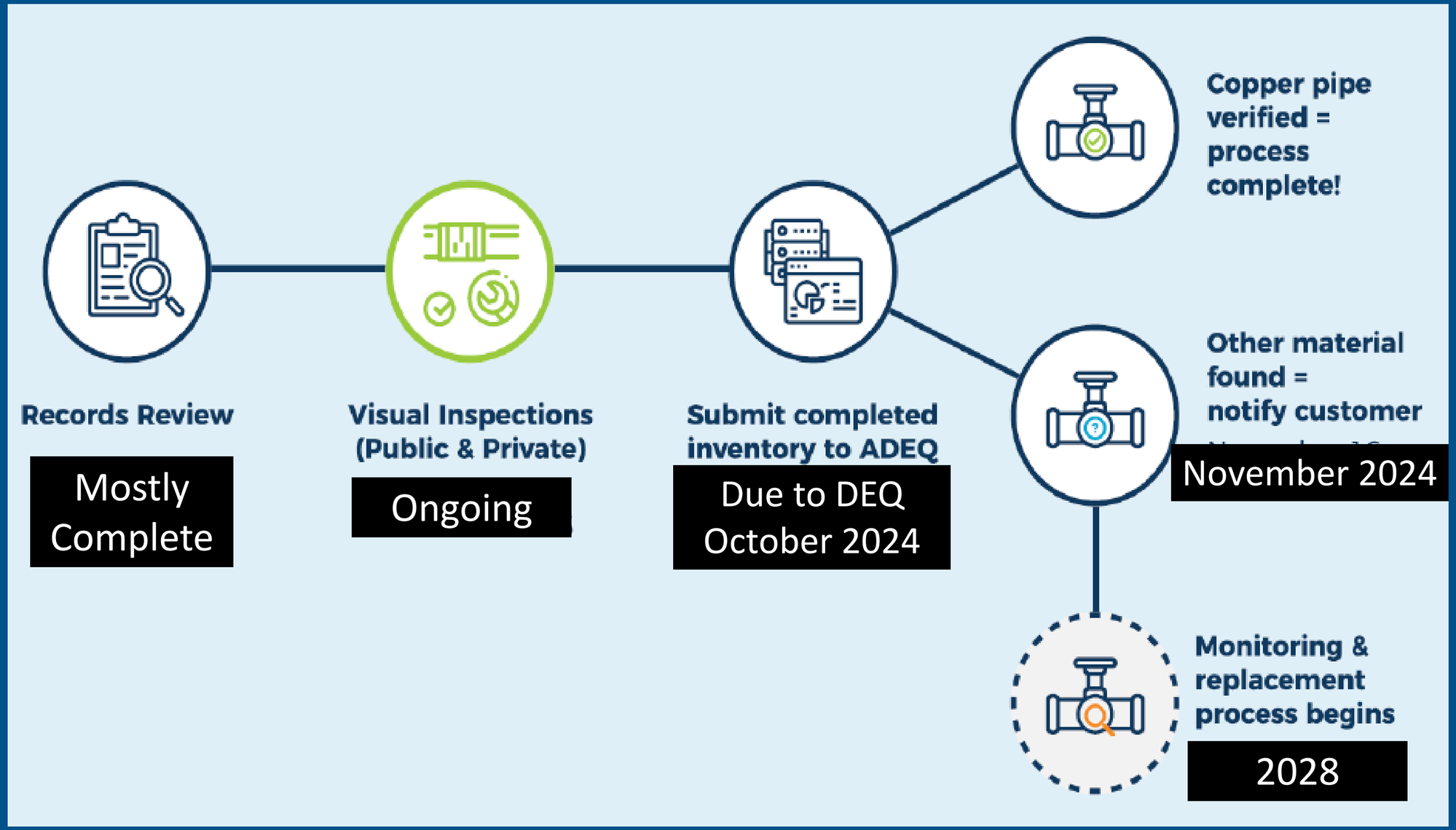


LSL IDENTIFICATION

SIMPLE

MINOT

LCR TIMELINE



ACTION PLAN

- Continue Research and Monitoring

- Continue positive ID of service line materials
  - In-home inspections
  - Excavation

  } Funding available for LSL identification
  66% grant funds

- Switch Corrosion Control Treatment
  - Currently use TSPP (Tetrasodium Pyrophosphate)
  - Switch to blended product
  - Keep sample results below the Trigger Level to allow more measured response to replacement program

QUESTIONS?

City of Minot
North Dakota