

# DERP Forum

**Strengthening Relationships with our Regulatory Partners**

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**St. Louis, Missouri**

**May 8-9, 2019**

# **Optimization – Adaptive Management Twin Cities Case Study**

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#DERPForum



# Optimization – Adaptive Management

## Twin Cities Case Study

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### – Adaptive Management Starts:

- Confirm the connection to TCAAP
- Priority is the Municipal Wells
  - New Brighton City (Pop. 21,456)
  - St Anthony Village (Pop. 8,226)
- Recalcitrant compound – Advance Oxidation Process Required
- Air Force shared lessons learned
- Worked closely with industry
- St Anthony (Initial Operations 2017)
- New Brighton City (Initial Operations 2019)



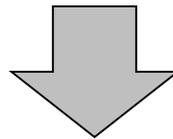
# Optimization – Adaptive Management

## Twin Cities Case Study

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### – Adaptive Management Continues:

- Address the third leg of the stool the Boundary Treatment System
- Optimization and Groundwater Study
- Improve TCE removal (Relocate Wells)
- Treat the 1,4 DX (Advance Oxidation Process) and optimize removal
- Second and Third Order Effects: Improve TCE removal has secondary side effect, increase vapor hazard to surrounding residence



***Finish Line***