Water Contract No. 1204
Druid Tanks
EPA’s Safe Drinking Water Act Requirements (LT2ESWTR)

City of Baltimore, Maryland

Project Status and Update
October 2014
• Design Notice to Proceed: October 30, 2013
• Design Completion: September 3, 2015
• Bid Phase Completion: April 6, 2016
• Construction NTP: April 7, 2016
• Construction Complete: June 25, 2018
• Construction Cost: $112,000,000 – $120,000,000
Work Completed to Date

- 30% Design Memorandum September 2014
- Geotechnical investigations
- Fountain/aeration of future lake

Possible Fountain Style

Possible Fountain Style
Lake and Shore Borings Completed to Date
Future Site

- AERATION BUILDING (EXISTING)
- BELOW GRADE TANKS
- FOUNTAIN
- WIDENED PATH
- CHLORINATION IMPROVEMENTS
Upcoming Work

- Development of detailed design for 60% submittal in February 2015
Future Lake Water Level/Water Quality

- Reconstruct storm drains
- Drill groundwater wells
- Supplement with potable water
Druid Lake Aeration

- Efficient mixing and aeration with diffused air system
- Decentralized system:
  - Multiple compressors, air lines and diffusers provide redundancy and reliability
  - If one or multiple compressors, air lines or diffusers fail, the entire lake does not lose its aeration and circulation
- Single location for maintenance of compressors
- Reuse existing building and piping for new function
- Cascade waterfall provides additional aeration
Questions?