

Business Item 2025-25: Metro Plant Polymer, Contract 24P127

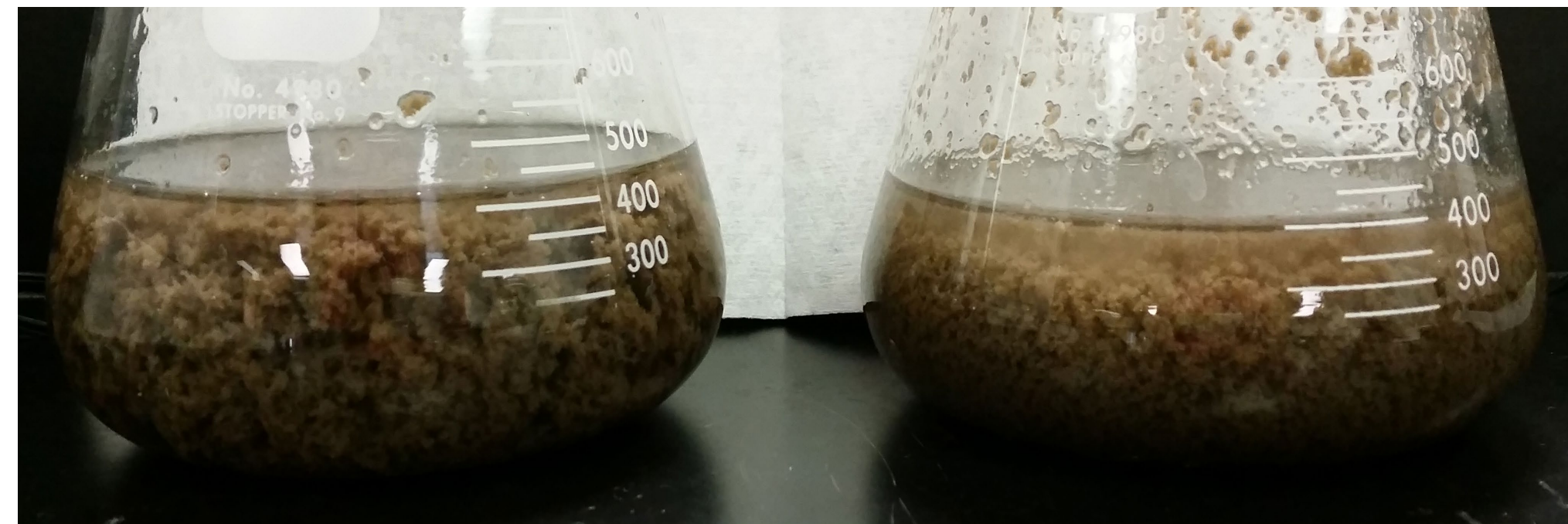
Joe Ward, Assistant Manager Process Engineering, R&D, and Air Quality

Environment Committee: January 28, 2025



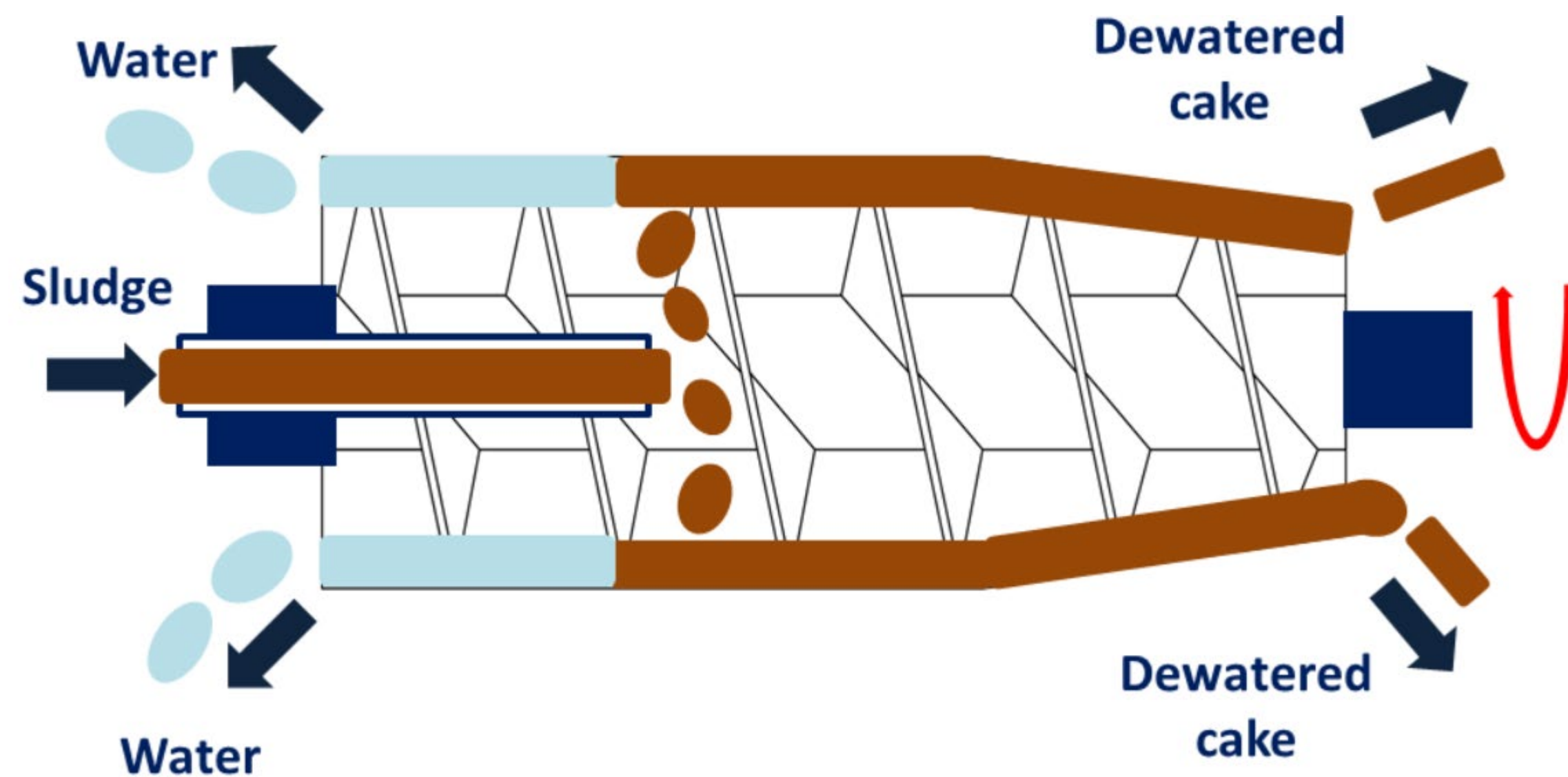
What is polymer?

- Made of mineral oil (light naphtha), polyacrylamide, and water
 - Raw materials are oil and natural gas
- Causes sludge particles to agglomerate (flocculation)
- Allows dewatering equipment to separate solids from water
- Different sludges need a different polymer to be most effective



How is Polymer Used at Metro?

- Polymer is fed with sludge into centrifuges
- Centrifuges increase solids from 5% solids to 27%



Background

- Two-step Procurement process
 - Invitation for Prequalification – May 15, 2024
 - 5 polymers from 2 vendors prequalified
 - Full-scale Testing – Sept 24-Oct 2, 2024
 - Identify acceptable polymer options through a full-scale evaluation of performance and prequalify those vendors/products
 - Only vendors that have prequalified products are allowed to participate in the Invitation for Bids which is the second step in the procurement process.
 - Four products met evaluation process requirements to bid.
 - Invitation for Bids – October 30, 2024
 - Two vendor bids received and opened – November 20, 2024
- Polydyne, Inc. had lowest cost product selected for the contract
- \$4,500,000 annual expenditure up to \$5,400,000 over 5 years with inflation
- Office of Equity and Equal Opportunity did not set a Metropolitan Council Underutilized Business (MCUB) goal

Proposed Action

- That the Metropolitan Council authorize its Regional Administrator to award and execute contract 24P127 with Polydyne, Inc., to provide polymer to the Metropolitan Wastewater Treatment Plant in an amount not to exceed \$24,025,000.

Questions

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