

**E Environment Committee
Meeting date: January 12, 2010**

For the Metropolitan Council Meeting of January 27, 2010

ADVISORY INFORMATION

Date:	January 5, 2010
Subject:	Authorization to Purchase Polymer for the Metro Wastewater Treatment Plant
District(s), Member(s):	All
Policy/Legal Reference:	Council Policy 3-3 Expenditures – Procurement of Goods and Services Over \$250,000
Staff Prepared/Presented:	Larry Rogacki, 651-602-8225; Micky Gutzmann, 651-602-1741
Division/Department:	MCES C/O William G. Moore, 651-602-1162

Proposed Action:

That the Metropolitan Council authorize the Regional Administrator to issue a Purchase Order to Polydyne Inc. to provide Clarifloc CE-817, CE-818 & CE-819 Polymers to the Metro Wastewater Treatment Plant at a unit price of \$0.145, \$0.145 & \$1.21 per pound respectively.

Background

Polymer is a conditioning chemical, which aids in the removal of water while processing sludge solids on mechanical equipment such as Centrifuges and Belt Presses. Two types of polymer are required as the Metro Plant produces two different blends of primary and secondary sludge solids depending on operating conditions.

Procurement of polymer involves receipt of sealed bids, followed by a full-scale evaluation of polymer performance, followed by an evaluation of bids to identify the most effective polymer at the lowest cost to the Council.

Polymer manufacturers were invited by a formal Invitation for Bids in August of 2005 to test up to 3 different polymers each. Polymers from Polydyne and Stockhausen met the minimum solids recovery standards set forth in the Technical Specifications of the Evaluation. One manufacturer, Nalco, withdrew from the evaluation during preliminary testing.

Rationale

The results of the original evaluation are used to determine the lowest responsive, responsible bidder for a series of one-year purchase orders over a five-year period. This is the final year of the five-year period. Full scale testing will be held at the Metro Plant in the summer of 2010 for a new contract.

Polydyne was the lowest responsive and responsible bidder for the year 2010 purchase order for both types of polymer. Unit costs are the same as those bid last year and ranged from \$16.50 - \$46.77 per dry ton of sludge processed. Estimated expenditures for this chemical are approximately \$3,000,000 annually.

Funding

Funds are available in the Metro Wastewater Treatment Plant annual operating budget.

Known Support / Opposition

None