

# E Environment Committee

Meeting date: January 10, 2007

For the Special Metropolitan Council Meeting of January 17, 2007

## ADVISORY INFORMATION

<b>Date:</b>	December 19, 2006
<b>Subject:</b>	Authorization to Purchase Polymer for the Metro Wastewater Treatment Plant
<b>District(s), Member(s):</b>	All
<b>Policy/Legal Reference:</b>	Council Policy 3-3 Expenditures – Procurement of Goods and Services Over \$250,000
<b>Staff Presented:</b>	Richard Halsted, 602-1038
<b>Division/Department:</b>	MCES C/O William G. Moore, 602-1162

### Proposed Action/Motion

That the Metropolitan Council authorize the Regional Administrator to issue a Purchase Order to Polydyne Incorporated, to provide Clarifloc CE-817 & CE-819 Polymers to the Metro Wastewater Treatment Plant at a unit price of \$0.109 & \$1.05 per pound respectively.

### Issue(s)

- Procurement of goods and services for amounts exceeding \$250,000 requires Council approval.

### Overview and Funding

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.

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. The pre-qualified bidders will be invited to submit pricing annually for the next year's contract.

Polydyne was the lowest responsive and responsible bidder for the year 2007 purchase order for both types of polymer. Unit costs ranged from \$12.40 - \$40.59 per dry ton of sludge processed. Estimated expenditures for this chemical are approximately \$1,600,000 annually. Funds are available in the Metro Wastewater Treatment Plant operating budget.