



# City of Norman, OK

Municipal Building Council  
Chambers  
201 West Gray Street  
Norman, OK 73069

## Master

**File Number: GID-1314-50**

**File ID:** GID-1314-50

**Type:** Authorization for Purchase

**Status:** Consent Item

**Version:** 1

**Reference:** Item No. 11

**In Control:** City Council

**Department:** Utilities Department

**Cost:**

**File Created:** 11/18/2013

**File Name:** Polymer Purchase

**Final Action:**

**Title:** CONSIDERATION OF AUTHORIZATION BY THE NORMAN UTILITIES AUTHORITY FOR THE PURCHASE OF POLYMER FROM POLYDYNE CORPORATION, IN THE AMOUNT OF \$0.99 PER POUND FOR THE NORMAN WATER RECLAMATION FACILITY.

**Notes:** ACTION NEEDED: Acting as the Norman Utilities Authority, motion to approve or reject authorization for the purchase of polymer in the amount of \$0.99 per pound from Polydyne Corporation, for the Water Reclamation Facility.

ACTION TAKEN: \_\_\_\_\_

**Agenda Date:** 11/26/2013

**Agenda Number:** 11

**Attachments:** Polydyne Quote.pdf, Performance and Polymer Cost Comparison.pdf

**Project Manager:** Steve Hardeman, Water Reclamation Facility Superintendent

**Entered by:** danielle.robins@normanok.gov

**Effective Date:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File GID-1314-50

Body

**BACKGROUND:** The Norman Water Reclamation Facility (NWRF) installed solids dewatering and thickening equipment during the Sludge Handling Improvements Project (NUA Contract No. K-0607-38) which was completed in fiscal year 2009-2010 (FYE10). In October 2013, polymer vendors were invited to try out their products to determine which product would perform best in the new centrifuge equipment, based on cost per pound and minimum 25 percent (25%) solids dryness. Each polymer has a particular chemical makeup meaning each polymer will perform differently with our solids characteristics.

**DESCRIPTION:** The following polymer companies were contacted for testing;

Polydyne Corporation - Riceboro, Georgia  
Fort Bend Manufacturing - Stafford, Texas  
Nalco Corporation - Sugarland, Texas  
Ashland/Southwest Chemical Company - McAlester, OK

Polydyne, Southwest and Nalco each performed testing for several weeks and results were based on 25% solids dryness and cost per pound of polymer. Because of the particular composition of our sludge, Southwest Chemical and Polydyne had the only formulas that worked in thickening waste activated solids as well as dewatered digester solids. An additional benefit is that the Polydyne polymer product is less expensive than any of the other products on a cost per pound basis. Section 8-204(b)(2) of the Code of the City of Norman authorizes the City Council to waive competitive bidding for the purchase of supplies, materials, equipment, or contractual services which can be furnished only by a single dealer or which have a uniform price wherever bought. Polydyne has the only formula that meets all requirements such lowest cost per pound and solids dryness for our solids characteristics.

**RECOMMENDATION:** Staff recommends that the Norman Utilities Authority approve the purchase of polymer for sludge dewatering from Polydyne Corp. throughout the rest of FYE14. Funds for polymer purchases in the amount of \$68,000 are budgeted in NUA Wastewater Fund-Water Reclamation- Bio-solids-Operating Chemicals (account 032-5545-432.31-08).