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WATER POLLUTION CONTROL

MEMORANDUM

To: Gregg Mandsager, City Administrator

Cc: Nancy Lueck, Finance Director
Fran Donelson, Administrative Secretary

From: Jon Koch, Assistant Director WPCP

Date: July 27th, 2012

Re: Effluent Clarifier Painting

INTRODUCTION: The WPCP has budgeted \$65,000 for needed improvements to the three final clarifiers. Since the addition of the UV disinfection system algae has become a problem as it forms on the underwater walls and weirs of the clarifiers then releases to catch on the expensive and sensitive UV equipment downstream. By smoothing and painting the effected surfaces the algae will not grow to the extent that causes downstream problems.

BACKGROUND: Painting the wall surfaces is the least expensive means of dealing with algae problems in clarifiers. Before the UV system was installed the algae could be sprayed off and sent to the river. Algae now gets caught in the UV equipment and could cause damage or permit violations. We received six bids for this project ranging from \$76,952 from Terry and Sons of Muscatine to \$138,570 from D.A. Bunch of Cedar Rapids, IA.

RECOMMENDATION/RATIONALE: Staff has reviewed the bids and recommends awarding the work to Terry and Sons in the amount of \$76,952. While it is \$11,952 over the budgeted amount, the kind of paint to be used was upgraded upon further research for longevity and improved performance for what is required. Painting of the weirs was also added later, all of which added cost to the project. Money is available from reserves to complete this important project, but left over utility money will probably allow us to not go over total 2012/2013 budget requests. Please include this item on the agenda for the August 2nd, 2012 council meeting for their approval.