



**CITY OF LODI  
COUNCIL COMMUNICATION**

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**AGENDA TITLE:** Approve Plans and Specifications and Authorize Advertisement for Bids for White Slough Water Pollution Control Facility Digester Painting Project

**MEETING DATE:** June 19, 2013

**PREPARED BY:** Public Works Director

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**RECOMMENDED ACTION:** Approve plans and specifications and authorize advertisement for bids for White Slough Water Pollution Control Facility Digester Painting Project.

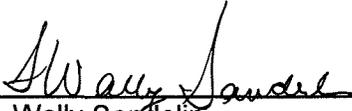
**BACKGROUND INFORMATION:** The White Slough Water Pollution Control Facility (WSWPCF) has four anaerobic digesters. Digester No. 4 was installed in 2007 and the current paint coverage is adequate. Digester No. 3 was last painted during its installation in 1991. Digesters Nos. 1 and 2 were installed in 1967 and believed to have been painted in 1991 when No. 3 digester was painted. Photos are attached.

The inherent corrosive atmosphere at WSWPCF intensifies the paint oxidization (rusting) at the digesters. The digester pipes, pipe connections and roof tops are severely corroded and will continue to corrode without the proper paint protection. Eventually, the corrosion will create holes and voids in the piping. The holes in the piping will render the piping useless and allow methane to escape into the atmosphere, increasing the corrosive damage. Associated digester equipment, such as pumps and compressors, is not included in this project.

Plans and specifications are on file in the Public Works Department. The planned bid opening date is July 17, 2013. The project estimate is \$90,000.

**FISCAL IMPACT:** If the digesters are not painted; the oxidation or rust will continue until it eats into the piping, resulting in a digester failure and emergency painting.

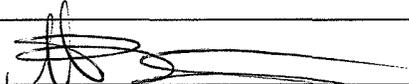
**FUNDING AVAILABLE:** Funding will be identified at project award.

  
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F. Wally Sandelin  
Public Works Director

Prepared by Karen Honer, Wastewater Plant Superintendent  
FWS/KH/pmf  
Attachments  
cc: Larry Parlin, Deputy Public Works Director - Utilities

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**APPROVED:**

  
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Konradt Bartlam, City Manager



Valving on Top of Digester No. 1



Digester No. 1 Connection to Flame Arrester



Valving Between Digester No. 1 and No. 2



Digester No. 3



Digester No. 3 Roof



Piping on Digester No. 3 Roof