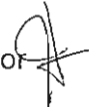



**CITY OF COOS BAY CITY COUNCIL**  
**Agenda Staff Report**

MEETING DATE	AGENDA ITEM NUMBER
April 16, 2013	

**TO:** Mayor Shoji and City Council

**FROM:** Jennifer Wirsing, Engineering Service Coordinator  
Jim Hossley, Public Works and Development Director 

**Through:** Rodger Craddock, City Manager 

**ISSUE:** Consideration of Approval to Purchase New Slurry Pump for the Eastside Lagoon Dredge

**BACKGROUND:**

Located at the Eastside Lagoon is the dredge and slurry pump. This equipment removes the biosolids from the lagoon so that it can be land applied. The pump on the dredge is approximately 24 years old and obsolete (original pump assembly is no longer available). A new pump must be installed prior to the summer so that the biosolids land application operation does not get interrupted. Per the City's environmental permits, land application can only occur when the groundwater has receded to a certain level. Based on past experience, this usually only allows the City a 30-60 day window to land apply the biosolids that have accumulated in the lagoon from the previous year. The pump was planned to be replaced this fiscal year and was placed on the CIP list.

**ADVANTAGES:**

If the pump is replaced the City will be able to remove the biosolids from the lagoon thus increase the volume of allowable storage.

**DISADVANTAGES:**

Other than cost, Staff sees no disadvantages with this purchase.

**BUDGET:**

The manufacturer provided an estimate for the slurry pump. However because the original pump assembly used on the dredge is no longer available the assembly will need to be fabricated to ensure proper fit. As a result, only an estimate could be provided by the manufacturer and there could be additional unforeseen costs. The amount that was originally budgeted was \$33,000 (\$16,500 in 29-810-530-3002 and \$16,500 in 29-810-530-3003). The estimate for the slurry pump is \$26,978. It is recommended that an additional \$6,022 be added for a contingency, thus totaling \$33,000. Funds for these parts will come from the Waste Water Improvement Fund.

**RECOMMENDATION:**

If it pleases the Council, approve the purchase of a new slurry pump for the Eastside Lagoon dredge for a cost not to exceed the budgeted amount of \$33,000.

**ATTACHMENTS:**

Price quote and sole source letter from pump manufacturer.

**RECORD OF PHONE QUOTES  
FOR PURCHASES FROM \$5,001 TO \$25,000**

**Wastewater**

**Location to be used: Lagoon**

**Account number: 03-351-530-3023 & 03-352-530-3023**

**Amount budgeted: \$33,000**

**Item being purchased: New slurry pump for lagoon dredge.**

**Quotes Obtained:**

**Vendor: Liquid waste Technology**

**Date: 3-5-13**

**Person quoting: Gaylee Brady 715 246-2573**

**Estimated shipping: \$400**

**Total cost with shipping: ~~\$27,068.00~~ \$26,978**

**Comments: This is sole source because it is made by the manufacturer of the dredge. Modifications will have to be made to retro fit the City's dredge. The existing slurry pump is obsolete. See accompanying letter on sole source information.**

**The price is only an estimate as the original pump assembly used on the dredge is no longer available. Plates, fittings and miscellaneous items will need to be fabricated to insure proper fit up to the dredge.**

**Date submitted: 4-4-13**

**Associate: Mike Mc Daniel**

**LWT** LLC

Dredging Systems Design  
Dredging Equipment Manufacturer  
Automated and Remote Control



**LIQUID WASTE  
TECHNOLOGY, LLC**

1750 Madison Avenue New Richmond, Wisconsin, USA 54017  
phone: 715-246-2888 fax: 715-246-2573 toll free USA: 800-243-1406

March 5, 2013

CH2M Hill  
Coos Bay – Dredge  
Model - MLPD724-MAU  
Serial No. 4329tdph-91

Subject: IMS/LWT Sole Source Parts

Dear Mike McDaniel

This letter is being sent upon your request for sole sourced purchased parts. LWT is the only manufacture of the LWT line of dredges. Many of the parts used to manufacture your dredge were made by LWT or specifically designed for LWT. Therefore we are the sole provider and distributor for many parts used in the building of your dredge.

Sincerely,

A handwritten signature in cursive script that reads "Gaylee Brady".

Gaylee Brady  
Parts Manager

Parts requested:  
Hydraulic Slurry motor \$ 2926.00  
LWT Bearing Block \$ 9564.00  
LWT Slurry Pump Assembly \$ 10262.00  
Miscellaneous items \$3826.00 \*\*

\*\* Prices noted are only estimated as the original pump assembly used on the dredge is no longer available. Plates, fittings and miscellaneous items will need to be fabricated to ensure proper fit up to the dredge.

[WWW.LWTPITHOG.COM](http://WWW.LWTPITHOG.COM)

[SALES@LWTPITHOG.COM](mailto:SALES@LWTPITHOG.COM)

**Capital Improvements 2012-2013**

**03-351-530-3023**

**Plant 1**

Priority 1 Needs immediate attention. Failure is imminent and could cause permit violations or unsafe conditions.

Priority 2 Needs attention very soon. Failure is not imminent, permit violations not likely

Priority 3 Improvement will be more cost effective and/or improve efficiency

PL1-001	Lobes and case for rotary	1	Pump parts wearing out	\$9,614
PL1-002	Rebuild sludge transfer	1	Pump parts wearing out	\$7,500
PL1-003	Replace dredge pump	1	Pump is worn out and needs to be replaced PL No. 1's share	\$16,500
PL1-004	Asbestos removal	1	Asbestos in ceiling texture main office building	\$10,000
PL1-005	Replace both RAS pumps	1	Cheaper to purchase new pumps than to rebuild them	\$46,346
PL1-006	Replace rotary pump	3	Reduce the cost of maintenance spent on existing	\$13,501
<b>Total</b>				<b>\$103,461</b>

X



## Capital Improvements 2012-2013

03-352-530-3023

### Plant Two

Priority 1 Needs immediate attention. Failure is imminent and could cause permit violations or unsafe conditions.

Priority 2 Needs attention very soon. Failure is not imminent, permit violations not likely

Priority 3 Improvement will be more cost effective and/or improve efficiency

→ PL2-001	Rebuild pump	1	Intermediate pump #2 needs rebuilding	\$8,500
PL2-002	Replace dredge pump	1	Pump is worn out and needs to be replaced PI No. 2's	\$16,500
PL2-003	Replace level controller in Intermediate Lift Station	1	The level controller is obsolete, parts are not available	\$4,000
PL2-004	Replace main Programmable Logic Controller (PLC)	1	PLC obsolete, parts are not available	\$62,200
PL2-005	Intermediate Lift Station	2	Rewire intermediate lift station	\$20,000
PL2-006	Re Roof operations	2	Roof leaks	\$8,200
<b>Total</b>				<b>\$119,400</b>