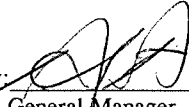




Memorandum

MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

Reviewed by: 

General Manager

Date: 5/17/19

DATE: May 17, 2019
 TO: General Manager
 FROM: Director of Engineering & Compliance/District Engineer
 SUBJECT: Approve Purchase of Double-Wall Tanks

RECOMMENDATION: That the Board approve the purchase of nine (9) Double-Wall Tanks from Burlingame Engineers, Inc. of Concord, California in the amount not-to- exceed \$232,000 including Freight and Sales Tax.

BACKGROUND

In past Board presentations, Staff has presented information on the District's infrastructure and identified aging infrastructure requiring replacement or expansion. One of those areas of aging infrastructure concerns the landfill leachate and condensate storage infrastructure. The landfill currently has two single-wall storage tanks; namely a leachate storage tank for Module 3 and a condensate storage providing service for several modules. These tanks are approximately 5,000 and 2,500 gallons in size, respectively.

DISCUSSION

The existing leachate and condensate tanks and related piping and containment features have exceeded their design life and have signs of deterioration. In addition, these tanks do not provide the storage capacity that is appropriate for the size of the landfill. To provide improvements to the leachate and condensate storage capacity, staff recommends the purchase of nine (9) tanks. The new storage tanks would be deployed as follows:

- Two (2) tanks for Module 3 leachate storage (17,400 gallons),
- Two (2) tanks for Module 4 leachate storage (17,400 gallons),
- Two (2) tanks for Module 5 leachate storage (17,400 gallons),
- Two (2) tanks for Module 6 leachate storage (17,400 gallons), and
- One (1) tank for condensate storage (8,700 gallons).

The proposed tanks have a storage capacity of approximately 8,700 gallons and are made of chemical resistant crosslinked polyethylene (XLPE). The proposed tanks are also double walled with the outer tank providing containment of the liquids stored in the inner tank. The double-wall feature satisfies the double containment regulatory requirement and reduces project costs of constructing reinforced concrete containment basins. For the planned leachate storage at the District's landfill, the tank pairs would be interconnected to provide a combined storage capacity of 17,400 gallons.

FINANCIAL IMPACT

Funds for the Double-Wall Tanks are budgeted in the current FY 2018/19 budget.

STRATEGIC PLAN

The purchase of the Double-Wall Tanks fits under several general policy directives cited in the District's "Pillars of Sustainability" plan. Principally under the Community and Environment pillars which speak to the protection of Public Health and the Environment which is the overriding regulatory compliance purpose of the double-wall tanks.

CONCLUSION

Staff respectfully recommends that the Board approve the purchase of nine (9) Double-Wall Tanks from Burlingame Engineers, Inc. of Concord, California in the amount not-to-exceed \$232,000 including Freight and Sales Tax (see attachment).

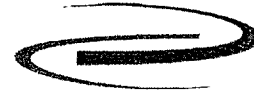

Guy R. Petrabor, P.E., G.E.

Attachment

BE Burlingame Engineers Inc.

MANUFACTURERS' REPRESENTATIVES

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POLYPROCESSING
SOLUTIONS, SIMPLIFIED.

To: Monterey Regional Waste Management District
Attention: Guy Petraborg
Subject: MRWMD Leachate Management

Listed below is a summary of our scope of supply for the referenced project.

Tank(s):

Primary Tank	9	8700 Safe-tank Inner 1.65 Specific gravity Crosslinked Polyethylene (Natural Color) DIA: 11'-11" HT: 14'-6" TOP: 24"
Containment	9	8700 Safe-tank Outer 1.35 Specific gravity Crosslinked Polyethylene (Natural Color) DIA: 11'-11" HT: 12'-11"

Fittings and Accessories:

Tank 1 Fittings:

Lid/Manway	9	Cover 24" Manway with 8" Msrn Vent Assembly Black Pe with vent screen
Fill	9	Made-vertical Dome Fitting 6" pvc/ss/epdm
Ancillary	13	Bolted Flange Fitting 4" Socket pvc/ss/epdm
Ancillary	13	Transition Fitting 4" Bellow Style II Pe/pvc/epdm/ss with exp jnt ptf
Ladder	4	Ladder 15' Standard with brkt Fiberglass with 3 ft 6 in Walk Thru

Total Price (freight included): \$ 215,500.00

(Not Including Sales Tax Estimated at \$ 15,887.50)

Reference Document: Q-077928