



**NAPA-VALLEJO WASTE
MANAGEMENT AUTHORITY**

Agenda Date: 9/12/2013

Agenda Placement: 6C

Napa-Vallejo Waste Management Authority Board Agenda Letter

TO: Board of Directors

FROM: Luthy, Richard - Executive Director
Napa-Vallejo Waste Management Authority

REPORT BY: Richard Luthy, Executive Director, Napa-Vallejo Waste Management - 707-299-1314

SUBJECT: Agreement No. 2014-04 Leachate Storage Tank Design

RECOMMENDATION

2014-04 LEACHATE STORAGE TANK DESIGN

REQUESTED ACTION: Approval of and authorization for the Chair to sign Agreement No. 2014-04 with Shaw Environmental effective September 12, 2013 through June 30, 2014, in the amount of \$20,700, for the design of two additional leachate storage tanks at the American Canyon Sanitary Landfill (ACSL) site.

EXECUTIVE SUMMARY

The FY 13-14 Budget allocated funds for the construction of two more leachate storage tanks at the ACSL. Additional storage tanks are required to increase operational flexibility and prevent shutdowns of the leachate pumping system that occur when the existing tanks become full. Shaw Environmental designed the original storage tank installation and they are uniquely qualified to prepare plans and specifications for the new tanks.

FISCAL IMPACT

Is there a Fiscal Impact? No

ENVIRONMENTAL IMPACT

ENVIRONMENTAL DETERMINATION: General Rule. It can be seen with certainty that there is no possibility the proposed action may have a significant effect on the environment and therefore CEQA is not applicable. [See

Guidelines For the Implementation of the California Environmental Quality Act, 14 CCR 15061(b)(3)].

BACKGROUND AND DISCUSSION

The FY 13-14 Budget allocated funds for the construction of two more leachate storage tanks at the ACSL. Additional storage tanks are required to increase operational flexibility and prevent shutdowns of the leachate pumping system that occur when the existing tanks become full. Shaw Environmental designed the original storage tank installation and they are uniquely qualified to prepare plans and specifications for the new tanks.

Currently, discharge of a full leachate tank cannot occur until:

- 1) the contents of the tank have been sampled and submitted to a laboratory for analysis
- 2) lab results are received and transmitted to Vallejo Sanitation and Flood Control District (VSFCD) for review
- 3) VSFCD staff give authorization for discharge to the sanitary sewer

The Authority has a good working relationship with VSFCD staff, however, the delays inherent in taking and analyzing samples and receiving approval can lead to periods when all three existing tanks are full. When this occurs, the leachate pumping system automatically shuts down and leachate begins to slowly build up in the landfill, which can affect the operation of the gas well system. The addition of two leachate tanks to the existing three tank configuration will increase the staff's operational flexibility and minimize shutdowns of the leachate pumping system.

Authority staff and consultants have discussed implementation of continuous monitoring and discharge with VSFCD staff, however that approach has thus far been unacceptable.

SUPPORTING DOCUMENTS

None

Executive Director: Approve

Reviewed By: Martha Burdick