

BOARD MEETING DATE: January 10, 2014

AGENDA NO. 2

**PROPOSAL:** Appropriate Funds and Issue Purchase Order for Three Jerome 631-X Hydrogen Sulfide Analyzer Systems

**SYNOPSIS:** The purchase of three additional Jerome meters is necessary to enable field staff to measure hydrogen sulfide when responding to certain types of odor events. These handheld instruments can be readily deployed in the field to provide continuous hydrogen sulfide concentration measurements. This action is to appropriate funds and issue a sole source purchase order with Arizona Instrument, LLC for the purchase of three hydrogen sulfide analyzer systems for an amount not to exceed \$42,000.

**COMMITTEE:** Administrative, December 13, 2013; Recommended for Approval

**RECOMMENDED ACTION:**

1. Appropriate \$42,000 to the Capital Outlay Major Object, Capital Outlay Account in the Engineering & Compliance FY 2013-14 Budget; and
2. Authorize the Procurement Manager to issue a sole source purchase order with Arizona Instrument, LLC for the purchase of three hydrogen sulfide analyzers and three software data logger kits at a total cost not to exceed \$42,000 from the Engineering & Compliance FY 2013-14 SCAQMD Budget.

Barry R. Wallerstein, D.Env.  
Executive Officer

MN:JW:ph

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**Background**

Hydrogen sulfide is a colorless but a very odorous gas that has a characteristic foul, rotten egg smell. Hydrogen sulfide occurs from many natural processes when organic materials decay and can be emitted by a variety of industrial processes. These include landfills, refineries, livestock operations, wastewater treatment, oil and gas drilling, and storage and processing operations.

There have been large scale odor incidents in recent years that have demonstrated the need for additional field monitoring capability. When hydrogen sulfide odor problems affect localized or wide geographical areas, it is very helpful for compliance staff to have handheld monitors to measure hydrogen sulfide concentrations. Examples of such large-scale odor events are the recent Santa Fe Springs industrial wastewater treatment plant incidents that resulted in over 300 odor complaints from several cities, and the 2012 Salton Sea odor incident that caused odors over much of the basin.

Jerome meters can also be used routinely during inspections at refineries, landfills and other industrial facilities.

### **Proposal**

The purchase of three additional Jerome 631-X Hydrogen Sulfide Analyzer Systems is necessary to have sufficient handheld monitors to readily deploy in the field for routine inspections and for large-scale odor events. This action is proposed to appropriate funds and issue a sole source purchase order with Arizona Instrument, LLC for an amount not to exceed \$42,000 for the purchase of 3 Jerome 631-X Hydrogen Sulfide Analyzer Systems, which includes the meter and data logger to store field measurements.

### **Benefits to SCAQMD**

These analyzers will enhance staff's ability to measure hydrogen sulfide for both routine inspections at certain types of facilities and to measure hydrogen sulfide in real time during major odor events. Finally, information on the chemicals involved and the concentrations measured is very important to relay to the public, responding local agencies, other health organizations and the media.

### **Sole Source Justification**

A sole source award is authorized under Sections IV.B.4 of the Procurement Policy and Procedure when a purchase does not lend itself to substitution. Section VIII.B.2 of the Procurement Policy and Procedure identifies four major provisions under which a sole source award may be justified. The request for a sole source contract with Arizona Instrument, LLC is made under Sections IV.B.4 and VIII.B.2.c (2) of the Procurement Policy and Procedure; the item is available from only one source, and the project involves the use of proprietary technology.

Arizona Instrument, LLC is an engineering company that has become a leader in the development and distribution of moisture analysis instruments and toxic gaseous analyzers. It is the only manufacturer of hydrogen sulfide analyzers that meet the low detection limit specifications needed for the current application.

### **Resource Impacts**

Sufficient revenue is available in the FY 2013-14 Budget to cover the recommended appropriation.