



3.6

DEPARTMENT OF
GENERAL SERVICES

SOLID WASTE
DIVISION

CITY OF SACRAMENTO
CALIFORNIA

2812 MEADOWVIEW ROAD
BUILDING 1
SACRAMENTO, CA 95832

(916) 808-4932
FAX (916) 808-4999

October 11, 2004

City Council
Sacramento, California

Honorable Members in Session:

**SUBJECT: APPROVAL OF CONTRACT FOR METHANE GAS REMEDIATION AT THE
OLD ELVAS GRAVEL QUARRY LANDFILL (ST. FRANCIS SCHOOL)**

LOCATION AND COUNCIL DISTRICT: Citywide

RECOMMENDATION:

This report recommends Council approve a contract for professional services with Kennedy Jenks Consultants in the amount of \$168,000. The contract is to pay for the design and coordination of the bid for the improvements necessary to remediate methane gas located at the Old Elvas Gravel Quarry Landfill, and to coordinate the quality assurances and quality control during the construction of the project.

This is a sole source contract due to the ongoing professional services directly related to the project Kennedy Jenks Consultants has provided to date, and the need to successfully complete the tasks within the required time period described in the Stipulated Agreement (Attachment 1) issued by the Local Enforcement Agency (LEA).

**CONTACT PERSONS: Marty Strauss, Integrated Waste Planning Superintendent, 808-4934
G. Harold Duffey, Integrated Waste General Manager, 808-4932**

FOR COUNCIL MEETING OF: November 9, 2004

SUMMARY:

The Old Elvas Gravel Quarry was originally operated as a municipal green waste disposal facility. In 1953, the City deeded the land to the Diocese and it is now the current location of St. Francis High School. In 2000, St. Francis began construction to expand their campus and found evidence of the old landfill. Soil probes revealed that methane gas was still being generated from the organic matter decomposing at the site. The resulting action was a notice of violation issued by the Local Enforcement Agency (LEA). In order to comply with the LEA to remediate the site, the City of Sacramento, Solid Waste Division, recommends approving a

City Council

Approval of Contract for Methane Gas Remediation at the Old Elvas Gravel Quarry Landfill
(St. Francis School)

October 11, 2004

contract with Kennedy Jenks Consultants to design and provide oversight for construction of the methane gas removal system.

COMMITTEE/COMMISSION ACTION: None required.

BACKGROUND INFORMATION:

The Old Elvas Gravel Quarry was originally operated as a municipal green waste disposal facility. When starting work to expand their facility, St. Francis High School found evidence of the old landfill. Soil probes revealed that methane gas was still being generated from the organic matter decomposing in the old landfill. The resulting action was a notice of violation issued by the LEA.

St. Francis High School received an enforcement order from the Sacramento County Environmental Management Department (acting as LEA) on October 18, 2001, wherein construction of a landfill gas (methane) extraction system was cited as a likely eventual remedy. A potential hazard to public health was also cited. Subsequent correspondence from the LEA dated March 11, 2002, indicates compliance actions and planned compliance actions by the landowner were being taken pursuant to a preliminary schedule dictated by the LEA. Prior to issuance by the LEA of an order requiring construction of a landfill gas extraction system, the City of Sacramento (previous property owner) voluntarily agreed to proceed with remedial action regarding the methane gas. The LEA, therefore, refrained from issuing an order to remediate the gas emission.

To determine the full cost to extract the methane gas from the site, the City of Sacramento worked with Kennedy Jenks Consultants to design a gas removal system and flare station on site. This contract is to 1) finance the design, 2) coordinate the bid for the construction of the infrastructure improvements needed to remove the methane gas, and 3) have Kennedy Jenks provide the quality controls and quality assurances during construction of the methane gas removal system. When prepared and approved by the regulatory agencies, a separate construction bid process will be completed to award the construction contract. The engineering design of the system is expected to be completed by the end of this year, with construction of the system to commence in the spring or early summer of 2005. Subsequent to the construction of the infrastructure improvements, the city will monitor the site for methane gas until there is no detectable methane gas being generated on site. This monitoring is expected to take anywhere from ten to thirty years. The monitoring cost is not part of this contract. City staff performing similar work at the 28th Street Landfill will complete the monitoring, fieldwork and written reports. The Solid Waste Division has secured funding from the County's Solid Waste Authority Franchise Fees and a grant from the California Integrated Waste Management Board to cover the project.

FINANCIAL CONSIDERATIONS:

The Solid Waste Division has secured funding from the County's Solid Waste Authority Franchise Fees and a grant in the amount of \$750,000 from the California Integrated Waste Management Board to finance this contract. Therefore, there will be no impact on the City's General Fund.

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(St. Francis School)
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ENVIRONMENTAL CONSIDERATIONS:

The landfill cleanup project is a result of an investigation enforcement order issued by the County of Sacramento Environmental Management Department acting as a Local Enforcement Agency (LEA). Removal or remedial actions taken as a result of these enforcement orders are granted a Statutory Exemption from preparation of an EIR, or Negative Declaration by Public Resources Code, Section 21151.1 (d) (4), if the hazardous waste is burned in a transportable incineration unit. The proposed engineering design is to burn the methane gas in a transportable incineration unit; therefore, the proposed project is not subject to an EIR or a Negative Declaration.

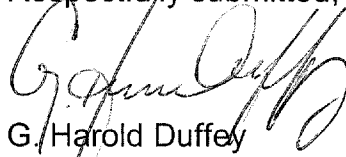
POLICY CONSIDERATIONS:

The action requested herein is consistent with the City of Sacramento's Strategic Plan goal of enhancing and preserving the neighborhoods. The removal of the methane gas will result in the protection of the public's health and welfare.

ESBD CONSIDERATIONS:

Kennedy Jenks Consultants is not a certified ESBD.

Respectfully submitted,



G. Harold Duffey
Integrated Waste General Manager

RECOMMENDATION APPROVED:



ROBERT P. THOMAS
City Manager

Approved:



Reina J. Schwartz
Director, Department of General Services

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COUNTY OF SACRAMENTO
Environmental Management Department
Mel Knight, Director

*Richard Sanchez, Chief
Environmental Health Division
Dennis C. Green, Chief
Hazardous Materials Division
Cecilia Jensen, Chief
Water Protection Division*

**AMENDMENT TO
STIPULATED NOTICE AND ORDER
FOR THE OLD ELVAS AVENUE QUARRY**

Public Resource Code (PRC), Section 450000
Title 14, California Code of Regulations (14 CCR), Section 18304, et.seq.

To: Parcel Owner Sacramento Diocese Education/Welfare Corporation
St. Francis High School
6051 M Street
Sacramento, CA 95819
APN 008-0020-008-0000 Certified #: 7003 3110 0003 5473 3268

State of California
California National Guard Armory
1013 58th Street
Sacramento, CA 95819
APN 008-0020-007-0000 Certified #: 7003 3110 003 5473 3275

IN THE MATTER OF: Elvas Avenue Closed Landfill
Solid waste Facility Number 34-CR-5047
Assessor Parcel Numbers: 008-0010-002-0000, 008-0020-007-0000, 008-0020-008-0000.

ISSUING AGENCY: County of Sacramento
Environmental Management Department
Local Enforcement Agency
8475 Jackson Road, Suite 240
Sacramento, CA 95826

DATE OF ISSUANCE: July 19, 2004

**Regulatory
Authority**

This Department, as the Local Enforcement Agency (LEA), is authorized by Division 30 of the Public Resources Code, sections 43209 and 45000, Title 14 California Code of Regulations, section 18051, 1804, and 18304 for Solid Waste Code Enforcement in Sacramento County. LEA staff has determined that the closed solid waste facility (SWF) located off of Elvas Avenue, between Folsom Av., M Street and Elvas Avenue, in the City of Sacramento, California, is in violation of Title 145 CCR 1803(a)(5), and Title 27 CCR 20919-20934. The LEA has the authority, pursuant to sections 45000,

continued on the next page

ELVAS AVEUE LANDFILL AMENDMENT TO STIPILATED NOTICE AND ORDER, continued

Violation	Actions to be taken by Property Owners	Compliance Date
	3. The monitoring results will be reported to the LEA within 10 days of the monitoring event. At any time that the explosive gas levels exceed regulatory levels it must be reported immediately to the LEA with a written follow-up report within 30 days. The report will include the corrective actions taken.	August 1, 2004
	4. Initiate and complete the field pilot gas extraction test.	August 20, 2004
	5. Submit draft construction gas extraction system plans for review and comment to all appropriate regulatory agencies.	December 1, 2004
	6. CEQA compliance determination shall be made.	January 24, 2005
	7. Submit final construction gas extraction system plans.	January 3, 2005
	8. Start of construction of gas extraction system.	Two weeks after contract awarded.
	9. Construction completed.	60 days from the start day.
	10. First month's operation report shall be submitted to the LEA and CIWMB.	90 days from construction completion date.

Voluntary Agreement

The property owners of the Elvas Avenue Landfill acknowledge that they have entered into this Stipulated Notice and Order voluntarily, and waive their right to a hearing.

IT IS SO AMENDED:

ENVIRONMENTAL MANAGEMENT DEPARTMENT/LEA

Date: _____

By: _____
(RICHARD SANCHEZ, Chief)

Date: _____

By: _____
(STEVE KALVELAGE, Supervisor)

ELVAS AVEUE LANDFILL AMENDMENT TO STIPLATED NOTICE AND ORDER, continued

C: Dawn Owen, CIWMB
Marty Strauss, City of Sacramento
Rob Busby, Regional Water Quality Control Board
Ed Childers, Kennedy/Jenks
Dick Van Dyke, URS Corporation
Capt. Richard Miford, CAARNG
Patrick E Sproul, Chief, Contracting Section CAARNG
Richard Sanchez, EMD/LEA
Steve Kalvelage, EMD/LEA
Cheryl Hawkins, EMD/LEA

RESOLUTION NO.

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

APPROVAL OF CONTRACT FOR METHANE GAS REMEDIATION AT THE OLD ELVAS GRAVEL QUARRY LANDFILL (ST. FRANCIS SCHOOL)

WHEREAS, the Local Enforcement Agency (LEA) issued a Stipulated Notice and Order for the Old Elvas Avenue Gravel Quarry Landfill; and

WHEREAS, the City of Sacramento agreed to complete the clean up of the Old Elvas Gravel Quarry Landfill; and

WHEREAS, Kennedy Jenks Consultants has been working with the City to complete this project and has knowledge of the project; and

WHEREAS, the Stipulated Notice and Order issued by the Local Enforcement Agency has a time requirement to complete the project.

BE IT RESOLVED BY THE COUNCIL OF THE CITY OF SACRAMENTO THAT:

1. The City Manager is hereby authorized to execute a contract with Kennedy Jenks Consultants in an amount not to exceed \$168,000 for engineering consulting services to design the methane gas removal system, coordinate the bid process for construction of the methane gas removal system, and provide the quality assurances and quality controls during construction.

ATTEST:

MAYOR

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____