



REPORT TO COUNCIL

City of Sacramento

915 I Street, Sacramento, CA 95814-2604
[www. CityofSacramento.org](http://www.CityofSacramento.org)

Consent
March 3, 2009

**Honorable Mayor and
 Members of the City Council**

Title: Award Contract: Fairbairn WTP Sludge Dewatering Operations

Location/Council District: 7501 College Town Drive/Council District 6

Recommendation: Adopt a **Resolution** awarding the contract for Fairbairn WTP Sludge Dewatering Operations to National Plant Services, Inc. for an amount not to exceed \$238,160.

Contact: Mike Yee, Plant Services Manager (808-5583);
 Andy Hunt, Supervising Engineer (808-1408).

Presenters: Not applicable.

Department: Utilities

Division: Plant Services

Organization No: 14001111

Description/Analysis

Issue: Annually, Fairbairn Water Treatment Plant (FWTP) generates several hundred tons of very wet drinking water treatment plant residual solids, also known as "sludge". The sludge must be dried before transportation and acceptance at a landfill. Dewatering the accumulated sludge in March and again in September of this year will facilitate the drying process and allow the continued operation of FWTP.

Policy Considerations: The actions requested are in conformance with City Code Section 3.60, Articles I and III, which provides for the award of competitively bid contracts to the lowest responsible bidder.

Environmental Considerations:

Central Valley Regional Water Quality Control Board (CVRWQCB): In mid-2007, the City's Fairbairn Water Treatment Plant was issued Waste Discharge Requirements (WDR) per CVRWQCB Order No. R5-2007-0087. In order to comply with these requirements, FWTP must semi-annually

mechanically dewater the sludge to aid the drying. If the City does not comply, CVRWQCB could impose enforcement actions against the City.

California Environmental Quality Act (CEQA): This project involves the continued operation of an existing public utility facility, and thus is categorically exempt from the provisions of CEQA per section 15301(b).

Sustainability Considerations: This project is consistent with the City's Sustainability Master Plan goals in that disposal of the dried sludge at a landfill protects the American River source water, and landfilling locally is much more fuel efficient than disposal at facilities further away that are permitted to accept liquids.

Other: Not applicable

Commission/Committee Action: Not applicable.

Rationale for Recommendation: Commencing January 26th, the project was formally advertised for bidding. On February 18, 2009 the City Clerk opened five bids. Staff recommends the contract be awarded to the lowest responsible bidder for an amount not to exceed \$238,160.

Financial Considerations: Total estimated dewatering cost, including inspection and contingency, is \$280,000. The Water Production Operations budget (14001111) currently has sufficient Water funds (Fund 6005) for award and project completion.

Emerging Small Business Development (ESBD): This project included a participation goal of 15% for emerging and small business enterprises (ESBE's) as required by City Ordinance 99-007 and City Council Resolution 99-055. The bid from National Plant Services, Inc. meets the ESBE goal with a participation level of 15%.

Respectfully Submitted by: Mike Yee
Mike Yee
Plant Services Manager

Approved by: Marty Hannemen
Marty Hannemen
ACM/ Director of Utilities

Recommendation Approved:

Ray Kerridge
for Ray Kerridge
City Manager

Table of Contents:

Report pg. 1-3

Attachments

- | | | |
|---|----------------------|-------|
| 1 | Background | pg. 4 |
| 2 | Project Location Map | pg. 5 |
| 3 | Resolution | pg. 6 |

Attachment 1**Background**

Sludge is a waste byproduct of water purification. It's a very wet, non-toxic mix of water, treatment polymers, and material filtered out of the incoming river water. In order to be accepted at local landfills, and to minimize the total per ton disposal cost, the City dries the material. At the Fairbairn Water Treatment Plant, around 1,000 tons of sludge is annually placed into concrete lined lagoons for temporary storage. The stored material is air dried in the warmer parts of the year, then disposed of at a landfill.

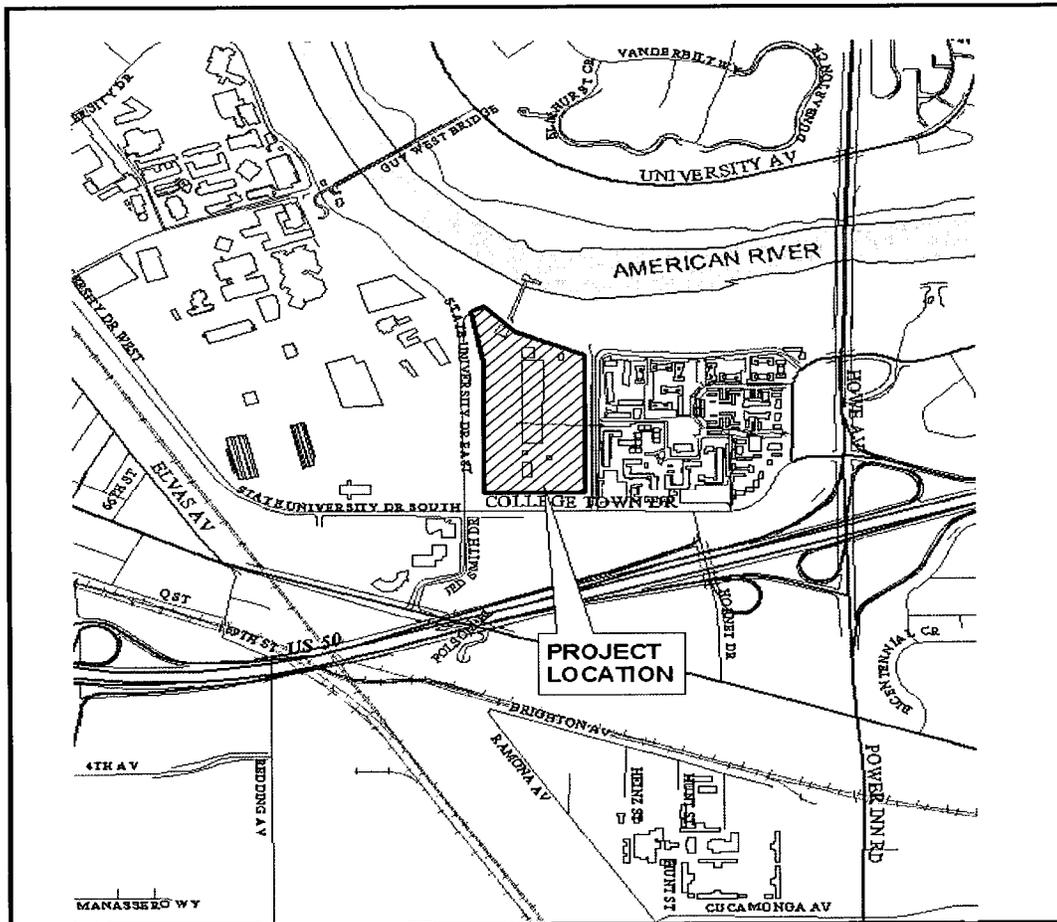
The last year that the City contracted for mechanical sludge dewatering was 2006. In 2007, the City received updated Waste Discharge Requirements from the Regional Water Quality Control Board (RWQCB). The new RWQCB requirements restrict the months that permit air drying operations outside of the lined lagoons. The Fairbairn Plant is approaching its capacity to store and dry the sludge in compliance with the RWQCB requirements. If the existing sludge volume is not reduced by mechanical dewatering, output from Fairbairn may have to be reduced. The Utilities Department proposes to contract with a firm utilizing portable equipment to dewater the sludge.

This project was publicly advertised and five (5) bids were received and opened on February 18th. Responsible bids, in ascending whole dollar order, were as follows:

<u>Contractor</u>	<u>Bid Amount</u>
National Plant Services, Inc.	\$238,160.00
P&H Senesac, Inc.	\$264,758.00
American Process Group	\$286,586.71
Delta Oilfield Services, Inc.	\$595,224.00
Ancon Marine	\$730,286.56

Attachment 2

Project Location Map



file: C:\E:\p\en-2\documents\GIS\Utility Map_GIS\CD_14001111\AIRS\AIR & WTP SITE\L4\ PROJECT.mxd

Map Prepared By
City of Sacramento
Department of Utilities



Attachment 3

RESOLUTION NO.

Adopted by the Sacramento City Council

AWARD CONTRACT: FAIRBAIRN WTP SLUDGE DEWATERING OPERATIONS

BACKGROUND

- A. The volume of sludge collected at the Fairbairn Water Treatment Plant is approaching the plant's storage and air drying capacity.
- B. City staff proposes that the City contract with a sludge dewatering firm. The project was advertised for bidding and bids were received on February 18, 2009. National Plant Services, Inc. was the lowest responsible bidder.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

- Section 1. The contract for Fairbairn WTP Sludge Dewatering Operations is awarded to National Plant Services, Inc., for an amount not to exceed \$238,160.

