



**CITY COUNCIL**  
CITY AND COUNTY OF HONOLULU  
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**ANN H. KOBAYASHI**  
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**MEMORANDUM**

Date: February 7, 2012

To: Ernest Martin, Council Chair  
Clayton Wong, Fiscal Administrator

From: Councilmember Ann Kobayashi *AK*

Subject: Travel Report Site Visitation - San Francisco's Southeast and Oceanside Wastewater Treatment Plants

Pursuant to the adoption of Council Resolution 11-350, FD1, I was very fortunate to be a member of a permitted interaction group (P.I.G.) which traveled to San Francisco, California to tour various wastewater treatment plants. Traveling from January 14 to January 18, 2012, my trip allowed me to extensively learn about the operations of other municipal plants, explore alternative wastewater treatment technologies, and study the proposed system being managed by HRP 56, LLC in San Francisco.

Attached are brief highlights and findings, as well as an informational packet provided by HRP 56, LLC. Please feel free to call me if you have any questions.

Thank you.

Attachments

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## **1. Oceanside Water Pollution Control Plant**

In San Francisco, egg-shaped digesters are only used at the Oceanside Plant where 20% of the City's wastewater is treated. As all operations are indoors, no odors are released into the surrounding area. Pending the conditions of the weather, up to sixty-five million gallons of wastewater can be treated per day. The plant is built on 12 acres with 70% of the facility being underground.

## **2. Southeast Water Pollution Control Plant**

The Southeast Treatment Plant treats about 67 million gallons of wastewater per day during dry weather conditions and up to 250 million gallons per day during rain storms. 80% of the City's total wastewater flow is treated at this plant, while it also treats a small amount of wastewater from other smaller municipalities such as, the City of Brisbane and Daly City.

## **3. Conclusion**

Currently, the technology the P.I.G. inspected in San Francisco is being operated at approximately 70 digesters around the nation. With the use of egg-digesters at San Francisco's Oceanside Water Pollution Control Plant, it is evident that the City and County of Honolulu can utilize other proven technology other than the one being implemented by Synagro. Solids are treated for nearly 28 days in anaerobic digesters that contain bacteria that digest, stabilize, and reduce the sludge. This process produces methane gas that is burned to create electricity and heat. Enough electricity is generated to operate the entire plant. The remaining treated biosolids are used for landfill cover or soil for farmland.

City Council  
City and County of Honolulu

## CLAIM FOR TRAVEL REIMBURSEMENT

Date: January 23, 2012

Traveler: Ann H. Kobayashi

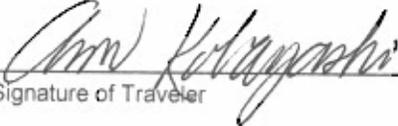
Event: Site Visitation of Wastewater Treatment Plant

Location: Daly City, California

Dates: From January 14, 2012 To January 18, 2012

Description	Amount	Notes:
1. Registration Fee		
2. Airfare	\$ 594.90	
3. Hotel	\$ 688.88	4 Nights
4. Meals	\$ 69.14	Garden Court Restaurant
5. Ground Transportation	\$ 56.80	\$36.80 Charley's Taxi + \$20 Calif Taxi = \$56.80
6. Tips	\$ 8.20	For cab
7. Other		
Other		
Other		
8. Adjustment	\$1409.72	Gifted - Reso 11-351
	\$ 8.20	Contingency
TOTAL REIMBURSEMENT	\$1417.92	

This is to certify that the above data, based upon receipts submitted to Council Administrative Support Services via a CCLTRVL02 form, is accurate. Further, I am claiming reimbursement for expenses associated with a trip in which City business was conducted and personal funds were used to advance payment:

  
Signature of Traveler

JAN 23 2012  
Date