



# MEMORANDUM

CITY MANAGER'S OFFICE

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**To:** Mayor Esteves and City Council  
**From:** Tom Williams, City Manager  
**By:** Greg Armendariz, Public Works Director/City Engineer  
Kathleen Phalen, Utility Engineer  
**Subject:** January Odor Report  
**Date:** January 17, 2012

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This memorandum summarizes odor complaints received through the Bay Area Air Quality Management District (BAAQMD) rapid notification system from December 12, 2011 through January 16, 2012 and provides information about odor reduction activities. The following exhibits are attached to this report:

Exhibit 1: October 2003 – January 2012 BAAQMD Odor Complaint Summary

Exhibit 2: December BAAQMD Odor Complaint Report

Exhibit 3: Odor Complaint Locations (December 12, 2011 – January 16, 2012) Map

## 1. BAAQMD Odor Complaint Summary

From December 12, 2011 through January 16, 2012, the Bay Area Air Quality Management District (BAAQMD) received eighteen odor complaints originating in Milpitas. Eleven identified a garbage-related odor, two identified a sewage-related odor and five did not identify a source. As of the last Council update, the City's odor reporting website has received twenty reported complaints. Exhibit 1 shows the monthly reports of odor dating back to October 2003. In this calendar year, BAAQMD received 2 complaints. Of these, 1 complaint identified garbage or compost, and 1 did not identify a source. In the 2011 calendar year, BAAQMD received 171 complaints. Of these, 76 identified garbage or compost, 41 identified sewage, and 54 did not identify a source. This compares with 113 complaints in 2010, 49 complaints in 2009, 105 complaints in 2008, 96 complaints in 2007, and 135 complaints in 2006.

## 2. Pilot Program - City of Milpitas Odor Reporting Hotline / Website

Staff continues to monitor daily the City's pilot odor reporting program initiated in May 2011. As of January 16, 2012, the odor reporting hotline and website have received a total of seventy-seven complaints. Seventy-four of the complaints have been received through the City's website and three have been received on the City's hotline number.

## 3. Coordination City of San Jose Plant Master Plan

In accordance with direction from the Treatment Plant Advisory Committee, staff is coordinating with San Jose staff to meet to review the sequencing constraints impacting conversion of the open-air biosolids within 3 to 7 years. The initial meeting held on August 15 included McCarthy Ranch and consultants as well as San Jose's master plan consultant. On November 16, these parties met again to further discuss the project delivery. San Jose's Environmental Service

Department has asked its Public Works Department to manage the biosolids conversion project as a distinct and separate project to a fast tracked schedule. San Jose DPW believes they can deliver the project through a design-build contract, mobilizing construction in about two years.

#### **4. Regional Odor Assessment**

In December 2010, San Jose City Council directed its staff to conduct a regional odor study to identify and prioritize for elimination the odors impacting Milpitas and North San Jose. Last Spring, San Jose staff and consultants conducted site visits of a number of regional facilities and concluded that the primary sources are the Plant and the Newby Island facilities. San Jose developed a scope of work for the study this summer and hired CH2M Hill to conduct air sampling and dispersion modeling. CH2M Hills scope of work includes:

1. Developing a sampling plan defining sampling locations representative of all potential odor generating processes at the Plant; defining locations for ambient odor sampling in the community around the Plant; and defining methods for sampling odors.
2. Conducting three sampling events (two in summer; one in winter), at Plant odor generating processes and control samples for analysis by a specialized laboratory. Samples will be analyzed for sulfide compounds and qualitatively evaluated by an odor panel of trained panelists who characterize the intensity and characteristics of the samples. Ambient air sampling was conducted around the perimeter of the Plant, including in Milpitas and Alviso.
3. Air dispersion computer modeling to predict how Plant odors travel off-site based on local topographical and climate conditions. This modeling will be used to identify Plant odor reduction necessary, if any, to meet the Plant's odor goals and to prioritize projects. The American Meteorological Society Environmental Protection Agency Regulatory Model (AERMOD) will be used, which is a U.S. Environmental Protection Agency-approved model for this use.

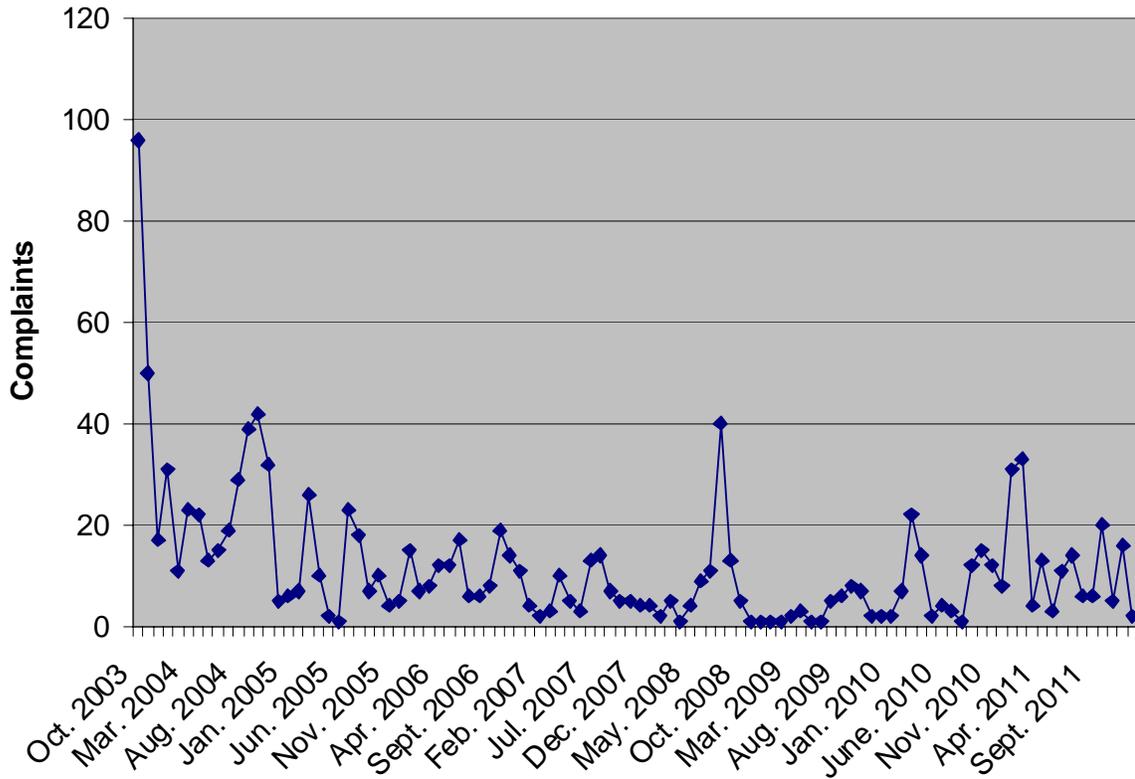
The first Plant summer air sampling coincided with the annual hauling of biosolids from the Plant to Newby Island Landfill at the end of September 2011 and included 30 sampling locations. Ambient neighborhood odor sampling was conducted in early October at 15 locations in the surrounding community, including Alviso and Milpitas. These air quality data will be evaluated to define future sampling events to provide sufficient data for the dispersion modeling.

In September, San Jose staff met with representatives from Republic Services, who operate Newby Island landfill, and provided a description of the odor study as well as preliminary cost estimates to include landfill and compost operation sampling and modeling. Republic Services agreed to participate and contribute financially to expand the Plant's odor study into a regional odor assessment study. San Jose and Newby Island staff will finalize the logistics and funding plan and engage additional stakeholders in the area, including the City of Milpitas.

In January, San Jose staff met with staff from Utility Engineering and Utility Maintenance to tour the City's Main Sewer Pump Station (a potential source) and to discuss Milpitas's inclusion into the regional monitoring program. Milpitas plans to enter into agreement with San Jose's

consultant to conduct source and ambient monitoring in the City to increase the precision and accuracy of the odor data set results.

**Exhibit 1**  
**October 2003 - January 16, 2012 BAAQMD Odor Complaint Summary**



# Milpitas Complaints

Received by BAAQMD From 12/1/2011 to 12/31/2011

## Exhibit 2

<u>Complaint#</u>	<u>Received</u>	<u>Occurred</u>	<u>Alleged Source</u>	<u>Description</u>	<u>General Location</u>	<u>Status</u>	<u>Attributed Site#</u>	<u>Referral</u>	<u>Comments</u>
210691	12/7/11 16:25	12/7/11 0:00	BFI - The Recyclery	dump	800 BERRYESSA ST	Unconfirmed			
210724	12/10/11 11:21	12/10/11 11:20	BFI - The Recyclery	waste	2100 CONWAY ST	Unconfirmed			
210753	12/19/11 8:44	12/19/11 8:44	NONE	garabage & sewage	200 SPENCE AVE	Unconfirmed			
210755	12/19/11 10:41	12/19/11 10:40	NONE	sewage	100 BETTEN COURTWAY	Unconfirmed			
210756	12/19/11 10:41	12/19/11 8:00	BFI - The Recyclery	garbage	700 TERNURA LOOP	Unconfirmed			
210761	12/19/11 13:11	12/19/11 12:45	NONE	stinks	1300 PRADA CT	Unconfirmed			
210766	12/19/11 16:11	12/19/11 16:00	NONE	strong acidic	200 IMAGES CIRCLE	Unconfirmed			
210794	12/21/11 16:11	12/21/11 16:00	NONE	landfill	800 BERRYESSA ST	Unconfirmed			
210796	12/21/11 17:01	12/21/11 15:00	NONE	garbage; rotten	200 IMAGES CIRCLE	Unconfirmed			
210811	12/23/11 11:31	12/23/11 11:15	BFI - The Recyclery	rotting food waste	2100 CONWAY ST	Pending			
210816	12/24/11 12:21	12/24/11 12:15	BFI - The Recyclery	food waste	2100 CONWAY ST	Unconfirmed			
210819	12/27/11 12:01	12/27/11 12:00	NONE	food waste	2100 CONWAY ST	Unconfirmed			
210824	12/28/11 10:51	12/28/11 10:45	NONE	bad	700 TERNURA	Unconfirmed			
<b><u>Total:</u></b>									

13

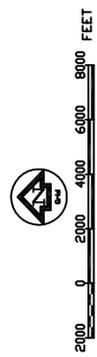
# EXHIBIT 3: ODOR COMPLAINT LOCATIONS\* ( DECEMBER 12, 2011 - JANUARY 16, 2012 )

★ ALLIED WASTE ★

★ S.J. / S.C. WATER  
POLLUTION CONTROL  
PLANT (WPCP)

OTHER ODOR COMPLAINTS  
(LOCATION UNAVAILABLE)  
■ DATE: 12/19/2011; TIME: 12:25 pm  
DATE: 12/19/2011; TIME: 1:30 pm

KEY  
■ COMPLAINT LOCATIONS  
GARBAGE COMPLAINTS  
SEWAGE COMPLAINTS  
OTHER COMPLAINTS



\*ODOR DESCRIPTIONS ARE AS REPORTED WITHOUT SUBSTANTIATION BY INDEPENDENT INSPECTORS.