

MEMORANDUM

CITY MANAGER'S OFFICE



To: Mayor Esteves and City Council
From: Tom Williams, City Manager
By: Greg Armendariz, Public Works Director/City Engineer
Kathleen Phalen, Utility Engineer
Subject: March Odor Report
Date: March 26, 2012

This memorandum summarizes odor complaints received through the Bay Area Air Quality Management District (BAAQMD) rapid notification system from February 14 through March 18, 2012 and provides information about odor reduction activities. The following exhibits are attached to this report:

- Exhibit 1: October 2003 – March 2012 BAAQMD Odor Complaint Summary
- Exhibit 2: February 2012 BAAQMD Odor Complaint Report
- Exhibit 3: Odor Complaint Locations (February 14 – March 18, 2012) Map

1. BAAQMD Odor Complaint Summary

From February 14 through March 18, 2012, the Bay Area Air Quality Management District (BAAQMD) received six odor complaints originating in Milpitas. Three identified a garbage-related odor, one identified a sewage-related odor and two did not identify a source. As of the last Council update, the City's odor reporting website has received four reported complaints. Exhibit 1 shows the monthly reports of odor dating back to October 2003. In this calendar year, BAAQMD received 19 complaints. Of these, 6 complaint identified garbage or compost, 2 identified sewage, and 11 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 March 19, 2012, the odor reporting hotline and website have received a total of ninety-four complaints. Ninety-one 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

As directed by the Treatment Plant Advisory Committee, staff is coordinating with San Jose staff to find means to expedite conversion of the open-air biosolids lagoons and drying beds to indoor mechanical dewatering within 3 to 7 years. San Jose's Department of Public Works believes it can deliver the project to this expedited schedule through a design-build contract, mobilizing construction in about two year. On February 14, San Jose City Council directed its staff to issue a Request for Information to determine market interest in a design/build contract to convert the open-air biosolids lagoons and drying beds to mechanical dewatering technology.

4. Regional Odor Assessment

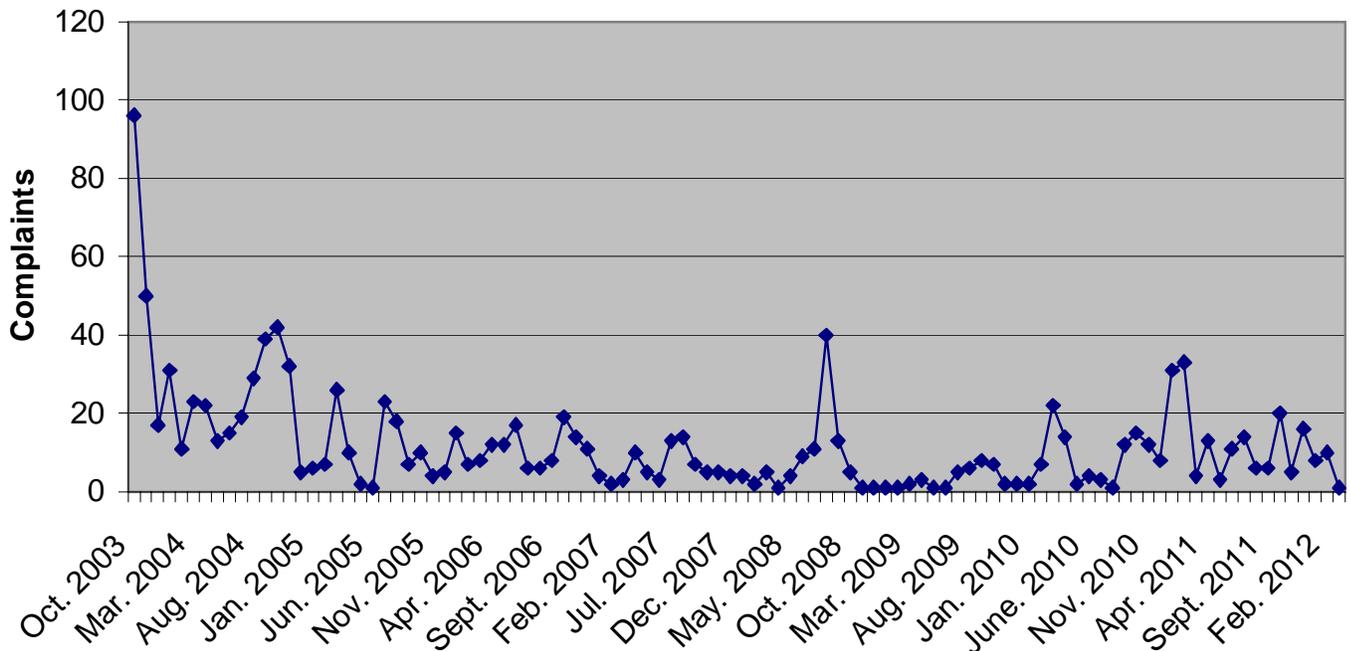
In December 2010, San Jose City Council directed its staff to conduct a regional odor study to identify and prioritize for elimination the odors impacting Milpitas and North San Jose. Last Spring, San Jose staff and consultants conducted site visits of a number of regional facilities and concluded that 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 for analysis by a specialized laboratory. Samples will be analyzed for sulfide compounds and qualitatively evaluated by 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 last October at 15 locations in the surrounding community, including Alviso and Milpitas.

In September San Jose staff met with representatives from Republic Services, who operate Newby Island landfill. 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.

Exhibit 1
October 2003 - March 19, 2012 BAAQMD Odor Complaint Summary



Milpitas Complaints

Received by BAAQMD From 2/1/2012 to 2/29/2012

Exhibit 2

<u>Complaint#</u>	<u>Received</u>	<u>Occured</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>
211038	2/1/12 20:55	2/1/12 18:00	NONE	garbage	900 MENTE LINDA LOOP	Unconfirmed			
211040	2/2/12 9:00	2/2/12 8:45	NONE	burning plastic	1000 GIBRALTAR DR	Unconfirmed			
211045	2/2/12 17:55	2/2/12 17:55	BFI - The Recyclery		xxx xxxxxxx	Pending			
211053	2/6/12 8:19	2/6/12 7:00	NONE	strong	2100 AGUILAR CT	Unconfirmed			
211101	2/16/12 7:42	2/16/12 7:42	BFI - The Recyclery	didn't give	800 BERRYESSA ST	Unconfirmed			
211132	2/23/12 20:17	2/23/12 18:00	BFI - The Recyclery	very strong	200 FAIRMEADOW WAY	Unconfirmed			
211139	2/25/12 11:39	2/25/12 11:30	BFI - The Recyclery	rotten eggs	500 KEVNIRE DR	Unconfirmed			
211145	2/27/12 10:09	2/27/12 9:40	NONE	compost like	2100 AGUILAR CT	Unconfirmed			standing outside 24 Hr Fitness @301 Jac
Total:		8							

EXHIBIT 3: ODOR COMPLAINT LOCATIONS*
(FEBRUARY 14, 2012 - MARCH 18, 2012)

★ ALLIED WASTE ★

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

OTHER ODOR COMPLAINTS
 (LOCATION UNAVAILABLE)
DATE: 2/21/2012; TIME: 3:00 pm

KEY

- COMPLAINT LOCATIONS
- GARBAGE COMPLAINTS**
- SEWAGE COMPLAINTS**
- OTHER COMPLAINTS**



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