



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: December Odor Report
Date: December 12, 2011

This memorandum summarizes odor complaints received through the Bay Area Air Quality Management District (BAAQMD) rapid notification system from December 1, 2011 through December 11, 2011 and provides information about odor reduction activities. The following exhibits are attached to this report:

Exhibit 1: October 2003 – December 2011 BAAQMD Odor Complaint Summary

Exhibit 2: November BAAQMD Odor Complaint Report

Exhibit 3: Odor Complaint Locations (December 1, 2011 – December 11, 2011) Map

1. BAAQMD Odor Complaint Summary

From December 1, 2011 through December 11, 2011, the Bay Area Air Quality Management District (BAAQMD) received three odor complaints originating in Milpitas. All were identified as garbage-related odors. As of the last Council update, the City's odor reporting website has received two reported complaints. Exhibit 1 shows the monthly reports of odor dating back to October 2003. In this calendar year, BAAQMD received 158 complaints. Of these, 69 identified garbage or compost, 39 identified sewage, and 50 did not identify a source. This compares with 113 complaints in the same period in 2010, 49 complaints in 2009, 105 complaints in 2008, 96 complaints in 2007, and 135 complaints in 2006. In this calendar year, BAAQMD received 155 complaints. Of these, 65 complaints identified garbage or compost, 35 identified sewage, and 55 did not identify a source.

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 December 11, 2011, the odor reporting hotline and website have received a total of fifty-seven complaints. Fifty-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 year.

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.

Exhibit 1
October 2003 - December 11, 2011 BAAQMD Odor Complaint Summary

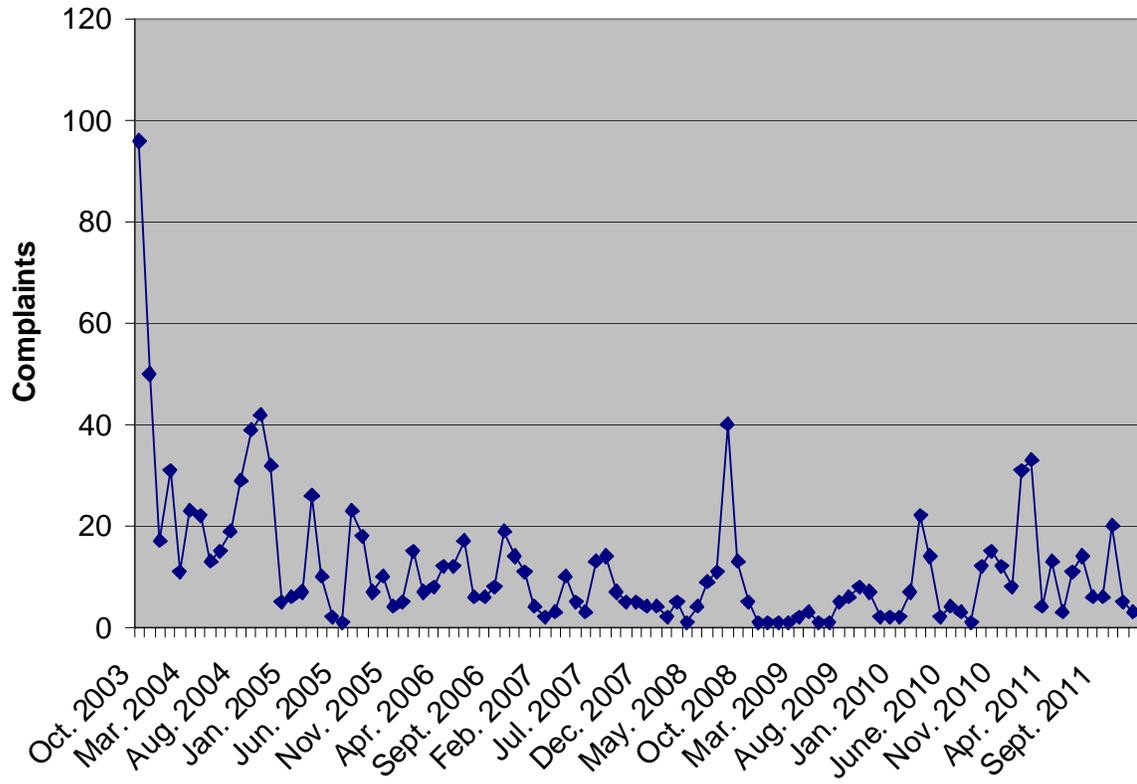


Exhibit 2

Milpitas Complaints

Received by BAAQMD From 11/1/2011 to 11/30/2011

<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>
210460	11/1/11 20:41	11/1/11 18:00	NONE	foul	400 GIBBONS CT	Unconfirmed			
210550	11/13/11 17:46	11/13/11 17:30	NONE	sour garbage	500 SHELLEY CT	Unconfirmed			
210566	11/15/11 13:31	11/15/11 13:30	NONE	strong	100 BEAUMERE WAY	Pending			
210576	11/16/11 15:51	11/16/11 15:50	NONE	poo	100 BEAUMERE WAY	Unconfirmed			
210580	11/16/11 17:01	11/16/11 17:01	BFI - The Recyclery	dump	800 BERRYESSA ST	Unconfirmed			
Total:		5							

EXHIBIT 3: ODOR COMPLAINT LOCATIONS* (DECEMBER 1 - DECEMBER 11, 2011)

★ ALLIED WASTE

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

OTHER ODOR COMPLAINTS
(LOCATION UNAVAILABLE)

■ DATE: 12/10/2011; TIME: 12:00 pm

KEY

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

■ 2100 CONWAY ST

DATE: 12/10/2011; TIME: 11:20 am

■ 800 BERRYESSA ST

DATE: 12/7/2011; TIME: N/A



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

