

South Bay Odor Stakeholder Group

Meeting Minutes

Date: January 21, 2016

Time: 11:30 am – 1:00 pm

Location: Beverly Heritage Hotel (1820 Barber Lane, Milpitas)

Attendees: Sign-in sheet attached

Recorder: Josh Mills, Republic Services

Discussion

Evan Boyd	Introductions, asked everyone to sign in, reviewed the last meeting minutes, inquired if anyone needed modifications to the minutes or any action items that were not addressed and distributed current agenda. Don Litchfield will still be involved, but could not attend this meeting.
Kathy Cote	Requested the sign-in sheet be added to the meeting minutes distribution attachment.
Ken Davies	Facility overview and future projects description of the San Jose – Santa Clara Wasterwater Treatment Facility. Master plan was approved October 2013; objective of the plan is a 30 year planning document. The facility is 65 years old and is approximately 170 acres. Plant serves approx. 1.5 million residents. The odor control study was completed August 2015; guidance on how to control odors. In the process of renewing the Title V permit; on the verge of going out for public review. Permit will place limits on the open water sources, such as secondary aeration and nitrification. Permit will include Reg 9 Rule 2; limits ground level fugitive H ₂ S emissions. A statement of compliance will be issued to BAAQMD based on field sampling.
Kathy Cote – Ken Davies	Certain constituents are more easily detectable than others. In order of magnitude: H ₂ S, ammonia, and methyl mercaptan. Concentrations of these constituents vary throughout the site. The headworks is a high concentration zone for said constituents; raw untreated material. Capital improvements that can concentrate on the initial phases of the treatment process will have the most dramatic effect on the odor.
Ken Davies	Some of the major improvement projects regarding the headworks and primary is schedule for approx. five years from now. If you get 10 verified complaints over the period of 90 days, Reg 7 will apply. Trying to limit the amount of odors to stay within acceptable levels. Iron Salts station project, doses ferric chloride into the waste water to control odor and H ₂ S. Big co-generation facility going in. The current power situation is less than ideal, with two PG&E substations and an older power generation facility. Need power to operate if/when PG&E substations loose power. If the facility is unable to process the waste, flooding will occur, and most likely untreated waste will discharge to the Bay. Existing clarifier and aeration basins will be rehabilitated. Fixing the current headworks to handle flows while the new headworks is being built. Old gas fired blowers will be converted to electric blowers. All

	treatment lagoons and drying beds, near Milpitas, will be taken out of commission by 2022. The facility will start using centrifuge technology, to spin the sludge to a certain moisture content, and will then be trucked off site.
Kathy Cote – Ken Davies – John Marvin – Evan Boyd	Mainly the bio-solid activities that receive the public complaints. Three week period in October where the drying beds are harvested and trucked off site. There were many complaints during this time. Newby Island is having discussions with the City of San Jose regarding an alternative disposal spot, other than Newby Island, for the biosolids for as long as the drying beds are operational.
Kathy Cote – Achaya Kelapanda	Leachate is currently being trucked from Newby Island to the POTW for processing. The infrastructure is in place to pipe the leachate to the treatment plant. The discharge is at the headworks. Historically, landfill gas was being piped for use at the treatment facility. The chemical makeup of the leachate is acceptable for the plant to treat. Trying to get the pipe line back online as soon as possible.
Evan Boyd	Two separate odor studies are being conducted by the City of San Jose. One for the wastewater treatment plant and the second for Newby Island Landfill. The draft for the Newby Island study should be available in 45 to 65 days. It is likely to be another 45 days after the initial draft for the study to be available for the public.
Kathy Cote – Evan Boyd	Initial discussion about a potential alternative disposal location for the biosolids, other than Newby Island. There are many steps in the process, but discussions are ongoing. From Republic’s perspective, it is feasible to change the disposal site before next year. Although the disposal site will change, the potential for odor will still remain; trucking the biosolids from the treatment facility. The odor from the biosolids is primarily due to scraping the drying beds.
Kathy Cote	Gave update on the web site. The web site will be linked to real time weather data at Newby Island. A prototype site will be up and running before the next quarterly meeting. The group preferred available URL is .info
Achaya Kelapanda – John Marvin	If the real time weather data is linked to the website, this will be sufficient for BAAQMD. The weather data should be linked to the website shortly, within the next month. BAAQMD would like to have access to the weather data sooner, if possible.
Kathy Cote – John Marvin – Paul Tavares – Evan Boyd	ZWED is not in attendance. BAAQMD and the LEA have reached out to ZWED in the past. The LEA was under the impression that ZWED would attend. LEA and BAAQMD have worked to stop the composting activities at ZWED. They estimate that 80 to 90 percent of the odors coming from the ZWED facility were attributed to the composting activities. There are still odor complaints, but not as many. The quality of material going to ZWED has improved. Material from the digester is now being trucked to ZBest. There is less being sent to ZWED for processing, hence less material coming from ZWED to Newby Island. Other sources of odor at the ZWED facility are the pressure relief valves that do not seal properly and vents to the atmosphere.
Achaya Kelapanda	Upgrades to the gas collection system at Newby Island. Currently the plan is to install more collection wells. The header pipe line is being upgraded to a larger diameter. The system is efficient; these projects will make it more efficient. Construction should commence around February 15 th and be completed by the middle of April. The system is continuously being maintained and tuned to be as effective as possible. Monitoring of the landfill surface for emissions is being monitored continuously.
Kathy Cote – Evan Boyd	Two material streams were being sent to ZWED, from Newby Island, prior to mid-October. The residual levels that was coming back was more than what Republic sent. Now ZWED is receiving one material stream, and the process has become more efficient. The ZWED

	facility was overwhelmed with the amount of material. Republic is not receiving as much material back from ZWED. ZWED does not have as much material outside curing. The odor complaints are trending down. Republic and ZWED will have discussion about the appropriate volume of material to send to ZWED. The negative is that Newby Island is not able to divert as much material to ZWED.
Martin Perez	Update: Cal Recycle revisions to Title 14, regarding composting.
Jim Li – Kathy Cote	The communication between the Stakeholders has been good and greatly appreciated. The odor complaints have spiked in the past few months. There has been a reduction in complaints since last Thanksgiving. 2015 data was pulled from BAAQMD and used to graph the amount of complaints over time. The group calls the BAAQMD Hotline when reporting an odor issue.

Action Items

Kathy Cote will follow up with Jeanne Serpa, regarding the website, and a timeframe of when it will be operational.

Next Meeting

April 21, 2016, 11:30am to 1:30pm, Beverly Heritage Hotel (1820 Barber Lane, Milpitas)