

# South Bay Odor Stakeholders' Group

## Meeting Minutes

Date: October 20, 2016

Time: 11:30 am – 1:30 pm

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

Attendees: Sign-in sheet

Recorder: Josh Mills, Republic Services

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## 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. John Marvin requested the recorded BAAQMD jurisdiction area to be removed from the previous minutes because of inaccuracy. Salt Pond Restoration Project was posted to the SBOSG website per the action items last time.
Josh Mills	<p>Gave a presentation on the aerated static pile (ASP) project to be constructed in 2017. Republic has committed to converting their industry standard open windrow composting process to ASPs by January 2018.</p> <p>Newby Island compost consists of feedstock from both green and food waste. The ratio of feedstock is approx. 10:1 (green:food). The two typical commercial composting processes are open windrows and aerated static piles. The former requires that the compost rows be turned to introduce oxygen and balance heat, while the ASP system uses forced air to archive the same results. The ASP process uses a system of blowers and perforated piping to force air through the pile. ASP systems can be setup either to blow positive air through the pile or reverse the flow and apply a vacuum to the compost pile.</p> <p>Some of the advantages to an ASP system are: the operation requires a smaller footprint than conventional windrow process, the pile does not need to be routinely disturbed by a windrow turner, and the system is less labor intensive due to automated controls. Because of the decreased size of the composting area, the higher control over aeration and less disruption during the biological degradation process, these advantages result in less of a potential for odor during the operation.</p> <p>Newby is currently evaluating a positive aeration system for implementation. There will be a biofilter media layer placed on top of the compost piles to abate potential odors emanating from the piles. The air will be forced by the blowers and conveyed through a system of piping to inject air from the bottom of the pile at the pad elevation to the top of pile and through the biofilter media. The biofilter layer will consist of either finished compost or wood chips or other viable media.</p>

	<p>The proposed location of the ASP system will encompass a portion of the current windrow pad on the west side of the landfill footprint. This location is the furthest portion of the landfill from any potential receptors in the community.</p> <p>Annual San Jose/Santa Clara Regional Wastewater Treatment Facility Biosolids Move Update:</p> <p>Delivery begins at 6:15 AM. Averaging approx. 120 loads per day. Newby implements the following odor abatement techniques for this operation: Two pressurized misting systems consisting of approximately 1400 feet of misting line disperse odor neutralizer around the perimeter of the operation; two mobile odor neutralizing misting fans disperse neutralizer on top of the material as it is placed; water trucks apply an odor neutralizing surfactant on top of the biosolids at the end of the day to ensure odor is not emanating from the material during the night. The small stockpile of biosolids is covered with a layer of wood chips to act as a biofilter if material is not planned to be added to the pile within a 24 hour period.</p> <p>The project is anticipated to finish on Monday, October 24<sup>th</sup>.</p>
<p>Kathy Cote, Minh Le, John Marvin, Mike Caprio, Evan Boyd, Josh Mills</p>	<p>The current compost feedstock ratio of 10:1 green to food waste will remain unchanged as Republic converts to ASPs.</p> <p>The compost operational footprint will reduce by approx. 1/3.</p> <p>The receiving/grinding area will be relocated closer to the compost operation.</p> <p>The air flow will fluctuate and be contingent on the porosity of the feedstock.</p> <p>The number of inbound tons of compost feedstock will not increase, and there is a likelihood that it will actually decrease.</p> <p>Republic is in the process of installing an ASP system at a facility in Richmond which should be operational around the beginning of the year.</p>
<p>Rachel Roberts</p>	<p>Gave a presentation on the overview of the San Jose Local Enforcement Agency (LEA). The LEA acts as the enforcement agency for CalRecycle at a local level. The LEA is responsible for enforcing policy and regulations pertaining to Solid Waste and composting facilities within the San Jose area. The LEA has four inspectors on staff to cover the area.</p> <p>The LEA primarily enforce the California Code of Regulations, mainly Title 14 and 27. Facility inspection as well as operating documents, like the joint technical document, new permit applications, and amendments to existing permits falls under the LEA's jurisdiction.</p> <p>Part of the LEA's duty is to respond and investigate complaints. Per CCR Title 14, within 15 days of receiving a complaint, the enforcement agency should determine if the complaint warrants an investigation. Most of the time the LEA will perform a site inspection within a 24 or 48 hour period following any compost related odor complaint. The LEA will determine if all state minimum standards are being met during their site visit.</p> <p>The Odor Best Management Practices Feasibility Report is a new part of the regulations. The intent of the report is to identify any potential odor sources, evaluate existing management</p>

	<p>processes and recommend new viable techniques to effectively control and abate odor. Once the report is received by the LEA and CalRecycle, the operator may be asked to implement the findings of the report.</p>
Bob Bates	<p>In regards to potential compost odor, Newby has fine-tuned the carbon to nitrogen ratio or the feedstock to mitigate the potential for odor. The time the material is staged in the receiving/grinding yard has been reduced to less than 48 hours.</p>
Bob Bates, Minh Le, Evan Boyd, Rachel Roberts, Kathy Cote, Martin Perez	<p>The LEA has requested that Newby submit a Best Management Practices Feasibility Report in response to the compost complaints. This is a new regulation as of this past spring and CalRecycle and the LEA are working to provide Newby with guidance for this request. The feasibility report will help identify any inefficiencies in the BMPs and LEA can recommend incorporation of new BMPs.</p> <p>Newby Island started the BMP Feasibility Report and has provided the initial draft, but is looking to CalRecycle and LEA for more guidance regarding what additional information needs to be included. In terms of timing, the Report will probably be finalized in the first quarter of 2017.</p> <p>The LEA has received very few compost complaints and relies mainly on the BAAQMD response system for notification. Bob Bates is onsite at Newby Island close to everyday.</p>

## Action Items

1. Modify last meeting's minutes to reflect John Marvin's comment regarding The BAAQMD area of jurisdiction.
2. Add City of San Jose Odor Study link to SBOSG website.

## Next Meeting

Thursday, January 19, 2017, 11:30am to 1:30pm, Beverly Heritage Hotel (1820 Barber Lane, Milpitas)