

**PALOS VERDES LANDFILL
CITIZENS ADVISORY COMMITTEE MEETING MINUTES
Monday, October 25, 2010 @ Rolling Hills Estates City Hall**

MEMBERS PRESENT: John Addleman, Pat Furey, David Wahba, Tim Scott, Kathleen McGowan, James Greene, Linda Cessna

MEMBERS ABSENT: Doug Henry, Kurt Swanson

STAFF PRESENT: Robert Ferrante, Kristen Ruffell, Ethan Laden, Mark McDannel, Basil Hewitt

GUESTS: Mike Levin (FlexEnergy's Director of Government Affairs), Paul Fukumoto (FlexEnergy's Director of Programs), Joan Davidson, Melody Colbert, Jim Tarr, Jeremiah Dobruck (Palos Verdes Peninsula News)

The meeting was called to order at approximately 5:35 p.m. and the roll was called. The June 26 minutes were approved. Mayor John Addleman thanked FlexEnergy for attending the meeting.

Ethan Laden summarized the activities that occurred at the landfill since the last CAC meeting.

- A consultant for Rolling Hills Estates conducted geotechnical drilling at the equestrian center in support of a planned upgrade to the equestrian center facilities. Districts' staff monitored the borehole air samples, which were below the health and safety thresholds for methane.
- Another successful "Hills are Alive" race, organized every year by the City of Rolling Hills Estates, was held at the landfill on August 14.
- The Portuguese Bend horse show was held at Ernie Howlett Park on September 10-12. The Districts provide parking for the event every year in an area near the landfill offices. The event raises money for the Children's Hospital of Los Angeles.
- On September 15, Districts' staff gave a landfill tour to CAC members who were unable to attend the previous tour.

Mark McDannel gave an update on the new Phase II power plant. The Districts are evaluating options for making the microturbines and fuel cell financially viable and will have a decision by the end of the year. On October 27, 2010, the Districts will seek approval from its Board of Directors to issue a construction contract for the new flare. Once the new flare is operating reliably, the Districts may decide to shut down the existing power plant. The new flare is expected to be operational in late summer 2011.

Paul Fukumoto of FlexEnergy gave a presentation on their new power plant technology that runs on gas with low BTU/methane concentration. This pre-commercial technology

has a number of possible advantages compared to other landfill gas-to-energy technologies including the ability to operate at very low methane levels and the lack of a need for fuel cleaning.

FlexEnergy has operated a demonstration plant in Beaumont, California and will be shipping a unit with their next generation design to Ft. Benning, Georgia in early 2011. The demonstration plant showed ultra-low CO and NOx emissions, but emissions of trace organic compounds such as vinyl chloride were higher than emissions from the existing boiler and flares at Palos Verdes. FlexEnergy would like to work with the Districts and the community to develop a good long-term solution at the PVLf. The Districts will continue to track FlexEnergy's technology development.

Following FlexEnergy's presentation, there was a question and answer session where FlexEnergy further explained their technology.

Kristen Ruffell provided a summary of the PVLf gas collection and monitoring system described in Appendix C of the Five-Year Review and an overview of all the boundary probe data collected since the end of the Five-Year Review. Kristen reported that since the end of the Five-Year Review there has been only one instance where methane was detected in a boundary probe above the 5% threshold and that the landfill gas collection system was adjusted to clear the probe within one day. This indicates that landfill gas control has continued to be very effective.

In the oral communications portion to the meeting, the following issues were discussed. Ms. Davidson wanted to discuss the "hotspots" at the landfill and the CAC suggested that Ms. Davidson review the minutes and exhibits from the first CAC meeting, since the issue of hotspots at the landfill was discussed at that meeting. The Districts agreed to inform the CAC of any new hotspots at future CAC meetings.

Ms. Colbert wanted to know why data collected at the PVLf weather station was not used for the Health Risk Assessment. Districts' staff explained that the data were not suitable. Ms. Colbert wanted to know if there are any plans to upgrade and develop the weather station at the landfill. Mayor Addleman requested that the answer be provided at the next meeting.

There were no old business, new business, written communications, oral communications, or announcements presented.

The CAC requested that the Districts at the next CAC meeting: (1) present its position on the microturbines, fuels cells, and the Phase II power plant; and (2) provide information regarding the destruction efficiency of the new flares (specifically for VOCs and the different constituents in landfill gas).

The meeting was adjourned at 6:55 p.m. The next CAC meeting is scheduled for **Monday, January 24, 2011 at 5:30 p.m.** at Rolling Hills Estates' City Hall.