

BALDWIN HILLS CSD  
COMMUNITY ADVISORY PANEL (CAP) MEETING  
Minutes April 23, 2015  
Approved May 28, 2015

**A. Call to Order - 7:00 PM**

David McNeill Chair.

**B. Approval of Agenda - Agenda approved.**

**C. Presentation on Soil Vapor Study**

Dr. Steven Osborne, a Hydrologist from Cal Poly (sgosborn@cpp.edu)

Ms. Munoz introduced Dr. Osborne and distributed his curriculum vitae to the CAP.

**Overview** Dr. Osborne discussed his idea and plans for a soil gas study along the perimeter and in the neighboring areas of the Inglewood Oil Field. The goal of the study would be to check for elevated levels of volatile organic compounds (VOCs) in the soil. A soil gas survey consists of the collection and analysis of gas concentrations found in soil. Dr. Osborne noted that potential environmental impact can occur from leaking oil and gas wells; he also noted one of the limitations of sampling oil and gas fields is the issue of access to those locations. Dr. Osborne presented some photographic examples of gas in soil, gas in water, and oil seeps from other locations in and outside of California. Dr. Osborne noted a flow path and a mechanism is necessary for a gas to migrate to the surface.

**Survey Detail** Dr. Osborne described a pilot testing program to see if gases are migrating to the surface and what concentrations of VOCs are in the gas. Dr. Osborne described the soil vapor probes (pipes), the gas analyzer (a PID or photo ionization detector), and a weekly testing schedule. If funding could be obtained, homeowners and property owners near the oil field would be selected for the test probes. Air monitoring was also noted as a potential companion study. Results of the study would be used to determine additional sampling locations and if laboratory testing of the gas chemical composition is warranted.

**Survey Logistics** Dr. Osborne detailed the logistics of the study; Dr. Osborne would provide equipment, expertise, and project management. Cal Poly Pomona students would provide the field testing staff. The students could use the project for training and graduation credit. Dr. Osborne requested that some support be earmarked for some project consumables (probe caps, concrete) and for the student volunteers (wages and gasoline funding) with an estimated initial cost of \$2,000.

**Questions** Probe depth was discussed with a 3 foot depth a standard approach for soil vapor surveys. Mr. Gless asked about sampling locations above directional drill paths; Dr. Osborne noted that sampling could be done if locations were known and access was available. The PID detector was asked about and Dr. Osborne explained the analyzer detects total VOCs and does not identify separate gas compounds; however, if gas is detected samples can be taken and analyzed at a lab for individual air toxics. Dr. Osborne further noted that the results could be mapped geospatially to look for trends or patterns. Mr. Perez provide an overview of the soil gas testing done at the Inglewood Oil Field. Dr. Tormey mentioned the Inglewood Oil Field Hydraulic Fracturing Study as another source of soil gas data for the

area. Ms. Munoz provided her as the contact for anyone requesting sampling at their residence ([irmamunoz@yahoo.com](mailto:irmamunoz@yahoo.com))

#### **D. Regional Planning/ECC Update - Timothy Stapleton**

Mr. Stapleton noted the compliance submittals from FM O&G. The Special Status Species (E.7.b–E.7.h) Compliance 2014 Annual Report was emailed to the group on April 6, 2015. The 1st Quarter 2015 Complaint Log (F.7) was emailed to the group on April 8, 2015. The Periodic Review (G.7) is under review by County DRP management. The CAP did not have questions on the complaint log.

#### **E. County ECC Update**

Mr. Dusette described the downed trees at the Phase 2 landscaping location and that the trees are scheduled to be replaced.

#### **F. Operator Update – Pat Gorski**

Mr. Gorski noted the 2015 drilling program has not been initiated to date and that the field currently contains up to three maintenance rigs and no reworking rigs. Mr. Gorski summarized the compliance documents listed above in the Regional Planning update. In addition, the Phase 7 Landscaping Plans and First Quarter Groundwater Monitoring Results have been posted on the Inglewood Oil Field web site.

Mr. Gorski provided an overview of the recent earthquake and that it was not associated with oil field activities as documented by Dr. Lucy Jones of the U.S.G.S. Mr. Gorski noted that the oil field accelerometer did not measure ground movement sufficient enough to require action by FM O&G but that operations staff performed post-earthquake safety checks. Accelerometer data is available on the Cal Tech website.

Mr. Gorki also provided a summary of the produced water tank overflow; the cause was determined to be a water pump electrical relay switch. FM O&G is conducting a thorough process review with staff engineers and technical staff. Mr. Gless noted that he had recommended back-up relay equipment when a similar problem occurred two years ago. FM O&G notified all regulatory agencies of the incident.

#### **G. Open Discussion/Public Comment**

**Earthquake** A question regarding the oil field accelerometer, earthquake Richter scale, and the potential link of the oil field to the cause/location of the recent earthquake was discussed. The Richter scale measures the magnitude of an earthquake on the basis of seismograph oscillations. An accelerometer, such as the one located on the oil field pursuant to the CSD, measures the acceleration or back and forth movement of the ground. The two measurements are related but because they measure different properties a direct correlation of Richter scale value to accelerometer data is not possible. The U.S.G.S uses multiple stations to triangulate and determine the location of an earthquake event.

#### **H. Approval of Minutes**

The CAP reviewed and approved the March 2015 minutes.

**I. Announcements**

Dr. Paul Ampuero, a Cal Tech Seismologist is scheduled for the May CAP meeting. May 28, 2015 next scheduled CAP meeting.

Adjourn 8:25.

ATTENDANCE: 4/23/15

(\*absent)

**DESIGNATED SEATS PER 22.44.142.J.1.a*****Governmental Entities***

1	Department of Regional Planning	Timothy Stapleton
2	City of Culver City	Meghan Sahli-Wells
3	West Los Angeles College	Nabil Abu-Ghazaleh*

***Operator (per 22.44.142.C)***

5	Freeport McMoran Oil & Gas	Pat Gorski for Lisa Paillet
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**NOMINATED SEATS PER 22.44.142.J.1.a****(Accepted first-come/first-served within each sub-group)*****Landowners (per 22.44.142.C)***

6	Vickers Family Trust	Roger Shockley
7	Cone Fee Family Trust	Kay Snowden for Liz Gosnell

***Neighborhood Organizations (Recognized Homeowners Association)***

8	Ladera Heights Civic Assoc.	Carmen Spiva*
9	Windsor Hills HOA	Gary Gless
10	United HOA (View Park)	Charles McCaw
11	Culver Crest Neighborhood Assoc.	John Kuechle*
12	Blair Hills HOA	Jon Melvin
13	Raintree Community HOA	Keith Curtiss
14	Baldwin Hills Estates HOA	Lory Johansson

***Neighborhood Organizations (No Recognized Homeowners Association)***

15	Ladera Crest Homeowner	George Mallory*
16	Baldwin Vista Homeowner	Irma Munoz

***School Districts***

17	Los Angeles Unified	Glenn Striegler*
18	Culver City Unified	Susanne Robins

***Neighborhood Organizations (All Others)***

19	Windsor Hills Block Club	Toni McDonald-Tabor
20	Community Health Councils	Erin Steva
21	Baldwin Hills Conservancy	David McNeill
22	The City Project	Daphne Hsu*