Not Just Dirt

Mark Twain popularized the saying in *Chapters from My Autobiography*, published in the *North American Review* in 1906. "Figures often beguile me," he wrote, "particularly when I have the arranging of them myself; in which case the remark attributed to Disraeli would often apply with justice and force: 'There are three kinds of lies: lies, damned lies, and statistics.'"[2]

DTSC's Mission Statement and Strategic Plan

The mission of DTSC is to protect California's people and environment from harmful effects of toxic substances by restoring contaminated resources, enforcing hazardous waste laws, reducing hazardous waste generation, and encouraging the manufacture of chemically safer products.

Our Vision

Californians enjoy a clean and healthy environment, and as a result of our efforts:

- Communities are confident that we protect them from toxic harm
- Businesses are confident that we engage them with consistency and integrity
- Consumers are confident that we stimulate innovation in the development of safer products

DTSC: Who We Are and What We Do

DTSC uses CalEnviroScreen

Identifying and Helping Impacted Communities - DTSC uses CalEnviroScreen, a first-in-the-nation environmental health screening tool developed by CalEPA, to identify communities in California that are disproportionately burdened by multiple sources of pollution. This information allows DTSC to prioritize its enforcement, complaints, and groundwater investigations

- More than 40% of all inspections, complaint investigations and enforcement actions take place in areas most burdened by multiple pollution sources. DTSC's Environmental Justice Plan makes protecting, safeguarding, and restoring these communities a tenet of its work.

Human and Ecological Risk Office

Evaluation of Contaminant Health Risks at School, Residential, Industrial and Recreational/Open Space Sites in California

The Northern California, Central California and Southern California Sections of HERO provide site characterization, fate and transport modeling, as well as, site-specific exposure and health risk assessments for school, residential, industrial, recreational and open space sites in California. HERO's objective is to ensure that contaminants are accurately characterized, health risks are accurately estimated, and any residual contamination does not pose a risk to human and ecological health.

HERO provides site-specific exposure and health risk assessments at proposed and existing schools in California to ensure protection of some of the state's most sensitive populations. HERO toxicologists provide assistance to DTSC School Evaluation Units on the development of guidance and scientific procedures for assessing the health risks of contaminants at school properties. HERO toxicologists communicate their findings on the health risks of contaminants at school sites and at school site cleanups to DTSC School Evaluation Units, as well as directly to the public, both in written materials and at community meetings.

The City and the Developer have pointed to the fact that the Department of Toxic Substances Control (DTSC) is overseeing the clean up of the site. What they don't tell anyone is that DTSC is under investigation for numerous occasions of not doing its job and its cozy relationship with the industries it regulates. One report Golden Wasteland by Consumer Watchdog, documents problems with the department that have left Californians in harms way.

One example is the Exide Facility in Los Angeles which was recently shut down by the US Attorney in exchange for dropping criminal charges. For more than two decades the company operated their battery recycling operation in the midst of homes in Vernon without a permit. For two decades DTSC allowed them to operate without a permit! Only after a Federal Grand Jury stepped in did DTSC take action.

The State Legislature has had numerous hearings on the short comings of DTSC. Several bills have been introduced to reform the agency. One currently under discussion is SB 673 Sen. Lara outlines major reform measures to make DTSC do a better job. It includes an Oversight Committee to watch the agency so it fulfills its regulatory duties. The former Director has resigned; three top staff have "retired". We recently took the new Director, Barbara Lee, on a two day Toxic Tour so she could see and hear for herself the problems with the department from the residents directly impacted.

DTSC has a $33,000 contract signed on Feb. 19, 2015, directly with Friends of Riverside Airport (Mr. Cox) to provide Public relations services for him including "Supporting the Applicant, if needed, at a community meeting;"

Locally, the Autumnwood housing tract in Wildomar was a victim of DTSC's. We showed that the test results reported in their report on Wildomar left out elevated levels of dozens of chemicals and only reported two.

The new Director, Barbara Lee participated in a statewide tour of communities impacted by sites regulated by DTSC to hear first hand the problems her department has created. It raised a lot of questions with her concerning how the department is operating. At one site—Santa Susana site—she overturned the decision made by her staff and reaffirmed that the clean up standards would remain high.

But the problems remain—the staff at DTSC view the polluters as their "clients" and the system of paying DTSC for its oversight is one of the reasons. As in Ag Park, DTSC receives direct payments from the developer to "oversee" the work done. At the Ag Park, DTSC has a $33,000 contract signed on Feb. 19, 2015, directly with Friends of Riverside Airport (Mr. Cox) to provide Public relations services for him including "Supporting the Applicant, if needed, at a community meeting." While Mr. Cox claims DTSC is separate and an objective third party, it's hard to view this as anything more than a pay off to DTSC.

With the loss of any credibility with DTSC, with the history of cover up and illegal actions on the part of the developer; with the city using its own workers to clean up hazardous materials with no protective gear; it's no wonder people are questioning the cleanup.

Two demands:

- conduct independent and appropriate testing of the site before allowing homes to be built
- Test the homes surrounding the area both inside and out to ensure residents are not being exposed to toxic chemicals.

9560 mg/kg is

43,863.64

More Deadly

Than the .22 level the DTSC says is acceptable on this site.

PCBs only if the shallower soil samples contained PCBs. Selected soil samples were also analyzed for polynuclear aromatic compounds (PAHs), arsenic, organophosphorous pesticides, and herbicides.

Concentrations of organophosphorous pesticides and herbicides were not detected. PAHs were either not detected or were detected at concentrations below their respective residential PRGs (USEPA, 2004), with the exception of two soil samples that contained concentrations of dibenzo(a,h)anthracene that slightly exceeded the residential PRG.

Arsenic was detected in soil at similar concentrations to those detected during the Earthsafe investigation in August 2003.

PCBs were detected in the majority of the 251 soil samples collected during the investigation (up to a maximum concentration of 9,560 mg/kg). The highest concentrations of PCBs were detected in soil samples collected from 0.75 fbg from the former sludge bed areas. PCBs in excess of 50 mg/kg were not detected in soil samples collected from outside the former sewage plant or sludge bed area, with the exception of two soil samples collected from the western end of the southern brine basin. Aroclor 1248 and Aroclor 1254 were the main congeners detected in the 251 soil samples, and Aroclor 1016 was detected in one soil sample.

Four soil samples with detectable PCB concentrations from the sludge bed areas were collected at approximately 3 fbg, composited into a single sample, and analyzed for dioxins and furans. The composite sample result indicated that 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (TCDD; the most toxic dioxin) was not present above the method detection limit of 0.234 picograms per gram (pg/g). A toxic equivalency quotient (TEQ) of 0.385 micrograms per kilogram (µg/kg) was calculated for the composite sample.

2.3.3.3 Soil Vapor Sampling

Soil vapor sampling was conducted via 24 soil vapor probes installed to depths of approximately 5 fbg to evaluate subsurface conditions across the Site. The vapor probes were located as follows: 11 of the 24 soil vapor probes were advanced and sampled within the area of the former sewage treatment plant and the sludge beds, and the remaining 13 soil vapor probes were advanced in various locations across the Site. Soil vapor samples were collected at each location and analyzed for VOCs. No VOCs were detected above laboratory reporting limits in any of the 24 soil vapor samples.

2.3.4 Geomatrix – 2004

2.3.4.1 Concrete Sampling

In March 2004, Geomatrix collected 77 samples of concrete and rock from eight stockpiles and the remnants of the former digester for PCB analysis. A total of 41 concrete samples were collected from the digester, one sample from each of the four stockpiles sampled by FREY, and 32 samples from the previously un-sampled four concrete stockpiles. The concrete samples did

DTSC is not even testing for these highly toxic substances during this lengthy process

approximately 8,666 tons of soil were removed during Phase 1 activities. Additional items removed from the Site included vegetation (green waste), PCB contaminated concrete, sewer pipe, and utility poles (TRC, 2010).

A total of 31 soil samples were analyzed for dioxin/furan congeners. Of the samples analyzed, 13 contained 2,3,7,8-TCDD Equivalent (Eq.) concentrations in excess of the health-based screening level for residential land-use (i.e., 4.5 pg/g or 4.5E-6 mg/kg). This health-based screening level represents the USEPA residential RSL (USEPA, 2013). The samples that contained the highest concentrations of 2,3,7,8-TCDD Eq. were TP-30E (4,817.7), TP-30S (8,372.8), and TP-30W (300.7). These three samples were co-located with PCB-impacted soil and six additional samples exceeded the health-based screening level (B-67, TP-29, S-22+20E, TP-30N, TP-30B, and TP-103). These nine samples were co-located with PCB-impacted areas and were planned for removal during Phase 2 mass grading activities.

3.0 REMEDIAL EXCAVATION OBJECTIVES

3.1 REMEDIAL EXCAVATION SCOPE

The purpose of the remedial excavation activities summarized herein was to prepare the Site for single-family residential development by excavating, removing, and properly disposing of soils containing PCB concentrations in excess of the USEPA residential RSL of 0.22 mg/kg from locations identified during previous Site investigation efforts. In addition, soil samples were collected from select locations and analyzed for dioxins, furans, and metals. This work was performed in accordance with Section 7.10 (Excavation of Soil Containing Less Than 50 mg/kg of PCBs) of the *Revised Response Plan, Excavation of Soils Containing PCBs* (FREY, 2006a).

3.2 REMEDIAL EXCAVATION GOALS

The RSL combines current human health toxicity values with standard exposure factors to estimate contaminant concentrations in soil, air and water that are considered by the EPA to be protective of human health over a lifetime (USEPA, 2013). The use of the RSL as a cleanup goal for PCBs (0.22 mg/kg) is conservative given the realities of demographic residential patterns. To ensure that the goal is acceptable, a post-remediation human health risk assessment (HHRA) using the confirmation sampling results obtained during Phase 2 of the project was developed. A summary of this HHRA is presented in Section 7.0.

Based on sample results for metals from the Phase 1 work activities, confirmation soil samples will be collected from the B-1 area and analyzed for hexavalent chromium.

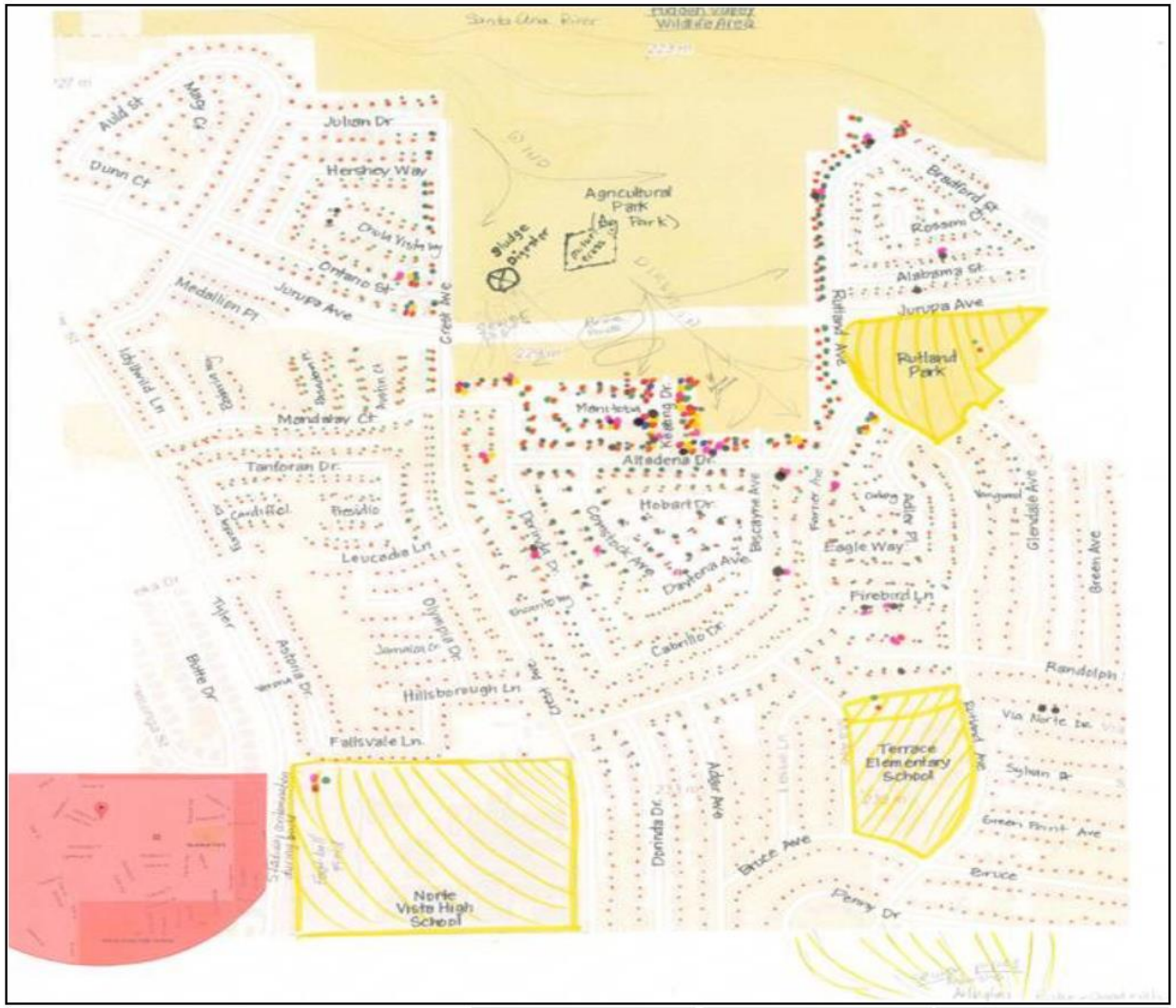
Soil containing dioxins and furans will be removed from the Site until the TCDD Eq. is below the health-based screening level for residential use (i.e., 4.5 pg/g or 4.5E-6 mg/kg).

Highlighted numbers are levels detected through testing. Column to right are the Detection limits- below that number is acceptable.
Above that number is not!

AG PARK ANALYTES

LIST	RESULT	DLR	UNITS	DF
MERCURY -DOC#1	12.3	0.12	mg/Kg	1
MERCURY -DOC#2	2.33			
ARSENIC –DOC#1	8.74	1.00	mg/Kg	1
ARSENIC –DOC#2	1.66			
CHROMIUM –DOC#1	768	1.00	mg/Kg	1
CHROMIUM –DOC#2	146			
LEAD –DOC#1	1050	0.50	mg/Kg	1
LEAD –DOC#2	199			
SILVER –DOC#1	60.0	0.50	mg/Kg	1
SILVER –DOC#2	11.4			
PCB-1242 (AROCLOR) DOC#1	4930	50	mg/Kg	1000
PCB-1242 (AROCLOR) DOC#2	937			
TETRACHLOROETHANE-DOC#	322.0	35.0	ug/Kg	7
TETRACHLOROETHANE-DOC#	61.1			
TOLUENE –DOC#1	28,700	35.0	ug/Kg	7
TOLUENE –DOC#2	5,450			
TRICHLOROETHANE-DOC#1	190.0	35.0	ug/Kg	7
TRICHLOROETHANE-DOC#2	36.1			
1,2,4-TRICHLOROBENZENE DOC#1	20,000	1665.0	ug/Kg	5
1,2,4-TRICHLORBENZENE DOC#2	3,800			
1,2-Dichlorobenzene-Doc#1	35,000	1665.0	g/Kg	5
1,2-Dichlorobenzene-Doc#2	6,650			
BIS(2-ETHYLHEXYL)PHTHALAT DOC#1	212,000	1665.0	ug/Kg	5
BIS(2-ETHYLHEXYL)PHTHALAT DOC#2	40,200			

mg/Kg = ppm (parts per million)
ug/Kg = ppb (parts per billion)
DLR- DETECTION LIMIT FOR PURPOSES OF REPORTING- BELOW THAT NUMBER IS ACCEPTABLE
DF- DILUTION FACTOR



RED

Autoimmune disorders
Cardiac
Chemical sensitivity
COPD
Thoracic pain
Shortness of breath
High Blood Pressure
Kidney Edema
Thyroid
Tremors
Swollen Lymph Glands
Persistent Dermatitis

GREEN

Allergies
Headaches
Skin Dryness
Rashes
Sore Throat
Sinusitis
Asthma

BROWN

Pet Deaths
Cancer
Tumors

Cysts
Cough
Arthritis

YELLOW

Bone Pain
Joint Pain
Kidney Pain
Muscle Pain
Urinary Pain
Vision
Abdominal Pain
Wounds that won't Heal

BLUE

Brain Fog
Chronic Fatigue
Depression
Dizziness
Facial Swelling
Hair Loss
Hives
Loss of Coordination
Lumps on body/neck
Memory loss
Mental disturbance (ADD)

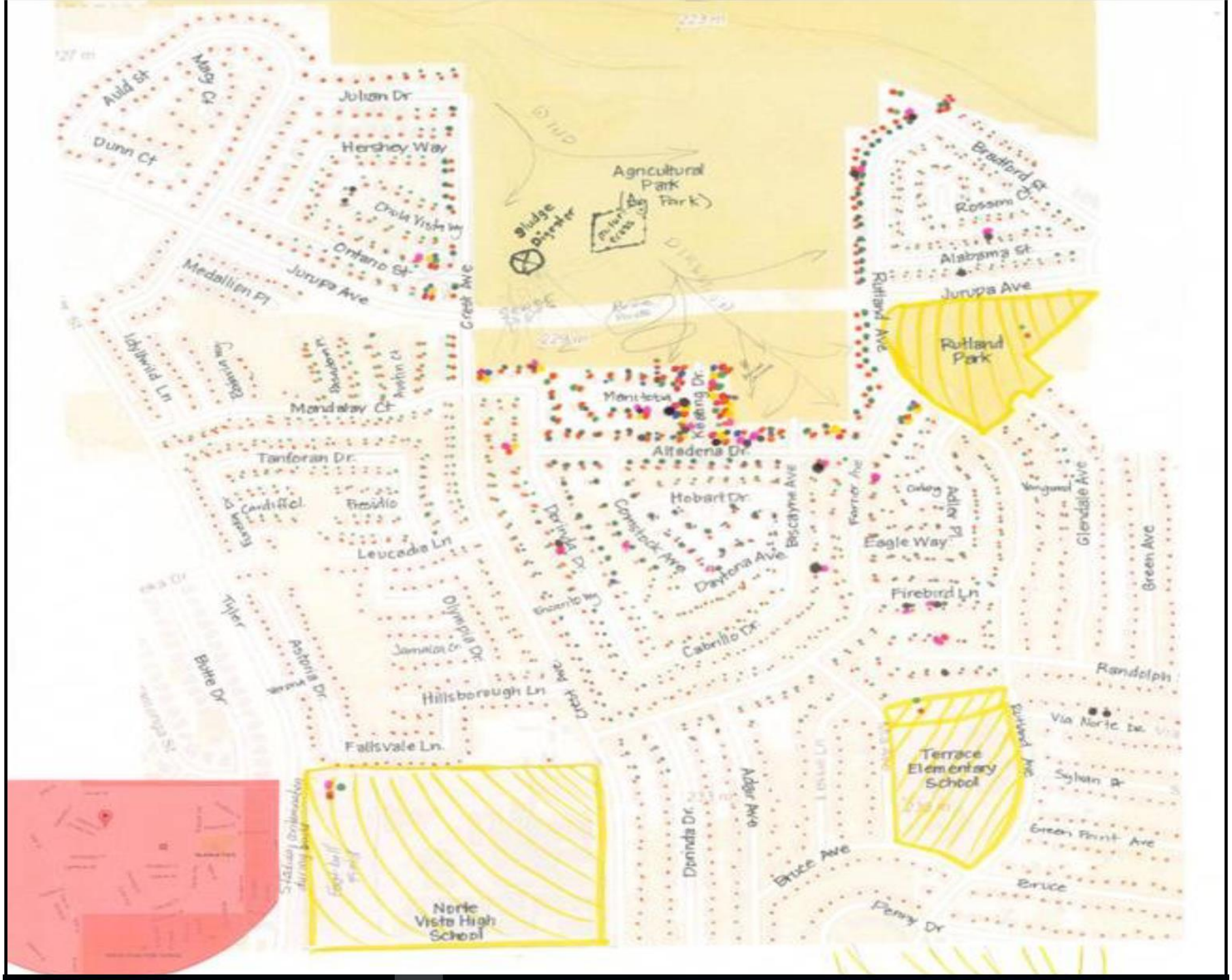
Impaired reproduction
Muscle Twitching
Nail thinning
Nose bleeding
Impeded speech
Skin lesions
Skin blisters
Birth defects
Developmental Delay

PINK

Cancer

BLACK

Death


Auld St
Mary Ct
Dunn Ct
Julian Dr
Hershey Way
Ocala Vista Way
Ontario St
Juruppa Ave
Medallion Pl
Idylwild Ln
Mandalay Ct
Tanforan Dr
Leucadia Ln
Tyler
Burke Dr
Olympia Dr
Hillsborough Ln
Fallsvale Ln
Agricultural Park
Sludge Digester
Creek Ave
Manchetta Dr
Altadena Dr
Hobart Dr
Dorinda Dr
Comstock Ave
Daytona Ave
Biscayne Ave
Caballo Dr
Eagle Way
Firebird Ln
Adler Pl
Glendale Ave
Green Ave
Randolph
Via Norte Dr
Sylvan Dr
Green Point Ave
Bruce
Perry Dr
Bruce Ave
Adler Ave
Rutland Ave
Rutland Park
Bradford St
Rossini
Alabama St
Terrace Elementary School
Norte Vista High School

Results from the second testing:

- **159 samples were taken, each sample had some level of PCBs.**
- **Out of the 159 samples 89 indicated PCB levels above the .22 (which is purportedly to be safe around humans)**
- **Out of the 89 samples – 33 indicated levels between 1.0 – 131 (extreme high levels of PCBs)**

Table 1
RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
POLYCHLORINATED BIPHENYLS
SOXHLET EXTRACTION METHOD
Former Agricultural Park, Riverside, California

Sample ID	Sample Depth (fbg)	Date Collected	Soxhlet Extraction Method				Notes
			Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Total PCBs (mg/kg)	
F8-1600	0.25	11/3/2015				0.180	congener analysis
G7-1610	0.25	11/3/2015				0.315	congener analysis
E6-1003	0.25	11/3/2015				0.404	congener analysis
C5-1666	0.25	11/3/2015				0.369	congener analysis
D4-1687	0.25	11/3/2015				0.288	congener analysis
F/G8-1601	0.25	11/3/2015	0.23	0.14	0.015	0.385	
G/H8-1603	0.25	11/3/2015	0.043	ND<0.0094	0.014	0.057	
F7.5-1607	0.25	11/3/2015	0.15	0.11	0.014	0.274	
F/G7.5-1606	0.25	11/3/2015	0.16	0.14	0.019	0.319	
G/H7-1611	0.25	11/3/2015	0.053	0.041	ND<0.0098	0.094	
G/H6-1635	0.25	11/3/2015	0.20	0.11	0.012	0.32	
G/H5.5-1656	0.25	11/3/2015	0.11	0.068	ND<0.0097	0.178	
G7.5-1605	0.25	11/3/2015	0.11	0.089	ND<0.0098	0.199	
G/H7.5-1604	0.25	11/3/2015	0.23	0.20	0.023	0.453	
G/Hb5.5-1656	0.25	11/3/2015	0.12	0.061	ND<0.0099	0.181	duplicate
G/H6.5-1634	0.25	11/3/2015	0.078	0.032	ND<0.0098	0.11	
G/H4-1680	0.25	11/3/2015	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	
G/H3.5-1701	0.25	11/3/2015	0.081	0.044	0.0099	0.1349	
G/H5-1657	0.25	11/3/2015	0.043	0.035	ND<0.0098	0.078	
G/H4.5-1679	0.25	11/3/2015	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	
G/H3-1702	0.25	11/3/2015	ND<0.0098	ND<0.0098	ND<0.0098	ND<0.0098	
G/H2.5-1722	0.25	11/3/2015	ND<0.0099	ND<0.0099	ND<0.0099	ND<0.0099	
G/H2-1723	0.25	11/3/2015	0.84	0.55	ND<0.068	1.39	
H2-1002	0.25	11/3/2015	1.1	0.41	ND<0.066	1.51	
H2b-1002	0.25	11/3/2015	0.99	0.31	ND<0.068	1.30	duplicate
G2.5-1721	0.25	11/3/2015	0.097	0.042	ND<0.0098	0.139	
G3.5-1700	0.25	11/3/2015	0.20	0.089	ND<0.066	0.289	
G4.5-1678	0.25	11/3/2015	ND<0.067	ND<0.067	ND<0.067	ND<0.067	
G5.5-1655	0.25	11/3/2015	5.2	3.0	0.16	8.36	
G6.5-1633	0.25	11/3/2015	0.28	ND<0.067	ND<0.067	0.28	
Gb6.5-1633	0.25	11/3/2015	0.29	0.12	ND<0.065	0.41	duplicate
F/G7-1609	0.25	11/3/2015	0.13	0.069	ND<0.068	0.199	
F/G6.5-1632	0.25	11/3/2015	0.087	ND<0.067	ND<0.067	0.087	
F/G6-1637	0.25	11/3/2015	0.35	0.13	ND<0.067	0.48	
F/G5.5-1654	0.25	11/3/2015	ND<0.067	ND<0.067	ND<0.067	ND<0.067	
F/G5-1659	0.25	11/3/2015	0.86	0.42	ND<0.067	1.28	
F/G4.5-1677	0.25	11/3/2015	5.4	4.2	0.55	10.15	
F/G4-1682	0.25	11/3/2015	3.2	1.4	0.18	4.78	
F/G3.5-1699	0.25	11/3/2015	ND<0.068	ND<0.068	ND<0.068	ND<0.068	
F/G3-1704	0.25	11/3/2015	ND<0.068	ND<0.068	ND<0.068	ND<0.068	
F/Gb3-1704	0.25	11/3/2015	ND<0.069	ND<0.069	ND<0.069	ND<0.069	duplicate
F/G2.5-1720	0.25	11/3/2015	0.085	0.072	ND<0.068	0.157	
F/G2-1724	0.25	11/3/2015	0.15	0.12	ND<0.067	0.27	
F2.5-1719	0.25	11/3/2015	2.2	1.1	0.11	3.41	
F3.5-1698	0.25	11/3/2015	2.0	1.2	0.11	3.31	
F4.5-1676	0.25	11/3/2015	0.16	0.14	ND<0.067	0.30	
F5.5-1653	0.25	11/3/2015	0.15	0.10	ND<0.068	0.25	
F6.5-1631	0.25	11/3/2015	ND<0.069	ND<0.069	ND<0.069	ND<0.069	
E/F6.5-1630	0.25	11/3/2015	0.14	ND<0.067	ND<0.067	0.14	
E/F6-1639	0.25	11/3/2015	0.40	0.16	ND<0.067	0.56	
E/F7-1612	0.25	11/3/2015	0.25	0.14	ND<0.068	0.39	
E/F5.5-1652	0.25	11/3/2015	0.10	0.082	ND<0.067	0.182	
E/Fb5.5-1652	0.25	11/3/2015	0.10	0.087	ND<0.069	0.187	duplicate
E/F5-1661	0.25	11/3/2015	ND<0.069	ND<0.069	ND<0.069	ND<0.069	
E/F4.5-1675	0.25	11/3/2015	ND<0.068	ND<0.068	ND<0.068	ND<0.068	
E/F4-1684	0.25	11/3/2015	ND<0.067	ND<0.067	ND<0.067	ND<0.067	

Table 1
RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
POLYCHLORINATED BIPHENYLS
SOXHLET EXTRACTION METHOD
Former Agricultural Park, Riverside, California

Sample ID	Sample Depth (fbg)	Date Collected	Soxhlet Extraction Method				Notes
			Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Total PCBs (mg/kg)	
F7-1608	0.25	11/2/2015	0.074	ND<0.012	ND<0.012	0.074	
G8-1602	0.25	11/2/2015	0.17	0.17	0.030	0.37	
E7-1613	0.25	11/2/2015	0.21	0.11	ND<0.012	0.32	
D7-1615	0.25	11/2/2015	ND<0.012	ND<0.012	ND<0.012	ND<0.012	
C7-1618	0.25	11/2/2015	0.056	ND<0.012	ND<0.012	0.056	
B7-1620	0.25	11/2/2015	0.043	ND<0.012	ND<0.012	0.043	
B6-1644	0.25	11/2/2015	0.096	ND<0.012	ND<0.012	0.096	
C6-1642	0.25	11/2/2015	0.089	ND<0.012	ND<0.012	0.089	
D6-1004	0.25	11/2/2015	0.35	0.19	ND<0.012	0.54	
F6-1638	0.25	11/2/2015	0.22	0.14	ND<0.012	0.36	
G6b-1636	0.25	11/2/2015	0.11	ND<0.012	ND<0.012	0.11	duplicate
G6-1636	0.25	11/2/2015	0.16	0.096	ND<0.012	0.256	
G5-1658	0.25	11/2/2015	0.077	0.036	ND<0.012	0.113	
F5-1660	0.25	11/2/2015	0.24	0.12	ND<0.012	0.36	
E5-1662	0.25	11/2/2015	0.20	0.089	0.014	0.303	
D5-1664	0.25	11/2/2015	0.075	0.071	ND<0.012	0.146	
B5-1668	0.25	11/2/2015	0.26	0.11	0.014	0.384	
C4-1689	0.25	11/2/2015	0.053	ND<0.012	ND<0.012	0.053	
F4-1683	0.25	11/2/2015	0.19	ND<0.012	ND<0.012	0.19	
E4-1685	0.25	11/2/2015	ND<0.012	ND<0.012	ND<0.012	ND<0.012	
E4b-1685	0.25	11/2/2015	ND<0.017	ND<0.017	ND<0.017	ND<0.017	duplicate
E3-1707	0.25	11/2/2015	ND<0.017	ND<0.017	ND<0.017	ND<0.017	
D3-1709	0.25	11/2/2015	0.15	ND<0.017	ND<0.017	0.15	
C3-1005	0.25	11/2/2015	0.025	ND<0.017	ND<0.017	0.025	
C2-1006	0.25	11/2/2015	ND<0.017	ND<0.017	ND<0.017	ND<0.017	
D2-1729	0.25	11/2/2015	ND<0.017	ND<0.017	ND<0.017	ND<0.017	
E2-1727	0.25	11/2/2015	ND<0.017	ND<0.017	ND<0.017	ND<0.017	
G4-1681	0.25	11/2/2015	ND<0.016	ND<0.016	ND<0.016	ND<0.016	
G3-1703	0.25	11/2/2015	0.14	ND<0.017	ND<0.017	0.14	
G2-1001	0.25	11/2/2015	0.30	ND<0.017	ND<0.017	0.30	
G2b-1001	0.25	11/2/2015	0.44	ND<0.017	ND<0.017	0.44	duplicate
F2-1725	0.25	11/2/2015	ND<0.017	ND<0.017	ND<0.017	ND<0.017	
B3-1734	0.25	11/2/2015	0.088	ND<0.017	ND<0.017	0.088	
B2-1732	0.25	11/2/2015	ND<0.017	ND<0.017	ND<0.017	ND<0.017	
B4-1736@4´	4	11/2/2015	0.18	ND<0.017	ND<0.017	0.18	
B4-1736 N10´	0.25	11/2/2015	17	12	1.0	30	
B4-1736 N20´	0.25	11/2/2015	31	20	1.3	52.3	
B4-1736 S10´	0.25	11/2/2015	47	28	1.8	76.8	
B4-1736 S20´	0.25	11/2/2015	21	15	1.2	37.2	
B4b-1736 S20´	0.25	11/2/2015	20	13	0.97	33.97	duplicate
B4-1736 E10´	0.25	11/2/2015	92	39	ND<6.7	131	
B4-1736 E20´	0.25	11/2/2015	0.51	0.38	0.031	0.921	
B4-1736 W10´	0.25	11/2/2015	8.8	4.6	0.36	13.76	
B4-1736 W20´	0.25	11/2/2015	11	7.9	0.69	19.59	
F3-1705@4´	4	11/2/2015	0.42	0.16	0.0097	0.590	
F3b-1705@4´	4	11/2/2015	0.46	ND<0.0094	0.012	0.472	duplicate
F3-1705 N10´	0.25	11/2/2015	2.6	1.4	0.15	2.75	
F3-1705 N20´	0.25	11/2/2015	1.1	0.39	ND<0.069	1.49	
F3-1705 S10´	0.25	11/2/2015	3.8	2.1	0.19	6.09	
F3-1705 S20´	0.25	11/2/2015	0.66	0.37	ND<0.068	1.03	
F3-1705 E10´	0.25	11/2/2015	7.5	3.9	0.39	11.79	
F3-1705 E20´	0.25	11/2/2015	0.49	0.28	ND<0.066	0.77	
F3-1705 W10´	0.25	11/2/2015	1.9	1.2	0.14	3.24	
F3-1705 W20´	0.25	11/2/2015	1.6	0.87	ND<0.14	2.47	
F3-1705	0.25	11/2/2015	2.3	1.2	0.13	3.63	
B4-1736	0.25	11/2/2015	69	43	ND<6.9	112	

Table 1
RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
POLYCHLORINATED BIPHENYLS
SOXHLET EXTRACTION METHOD
Former Agricultural Park, Riverside, California

Sample ID	Sample Depth (fbg)	Date Collected	Soxhlet Extraction Method: Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Total PCBs (mg/kg)	Notes
B6.5-1623	0.25	11/4/2015	0.24	0.11	ND<0.066	0.35	
Bb6.5-1623	0.25	11/4/2015	1.1	0.54	ND<0.067	1.64	duplicate
B5.5-1645	0.25	11/4/2015	ND<0.066	ND<0.066	ND<0.066	ND<0.066	
B4.5-1737	0.25	11/4/2015	0.26	0.14	ND<0.068	0.40	
B3.5-1735	0.25	11/4/2015	24	11	0.72	35.72	
B2.5-1733	0.25	11/4/2015	ND<0.069	ND<0.069	ND<0.069	ND<0.069	
Bb2.5-1733	0.25	11/4/2015	ND<0.0096	ND<0.0096	ND<0.0096	ND<0.0096	duplicate
PCB Cleanup Goal						**0.23**	

Notes:
mg/kg = milligrams per kilogram
fbg = feet below grade
Highlighted value exceeds PCB cleanup goal.

Table 1
RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
POLYCHLORINATED BIPHENYLS
SOXHLET EXTRACTION METHOD
Former Agricultural Park, Riverside, California

Sample ID	Sample Depth (fbg)	Date Collected	Soxhlet Extraction Method: Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)	Total PCBs (mg/kg)	Notes
E/F3.5-1697	0.25	11/3/2015	ND<0.068	ND<0.068	ND<0.068	ND<0.068	
E/F3-1706	0.25	11/3/2015	ND<0.068	ND<0.068	ND<0.068	ND<0.068	
E/F2.5-1718	0.25	11/3/2015	ND<0.066	ND<0.066	ND<0.066	ND<0.066	
E/F2-1726	0.25	11/3/2015	1.0	0.48	ND<0.068	1.48	
E2.5-1717	0.25	11/3/2015	ND<0.067	ND<0.067	ND<0.067	ND<0.067	
E3.5-1696	0.25	11/3/2015	ND<0.066	ND<0.066	ND<0.066	ND<0.066	
E4.5-1674	0.25	11/3/2015	0.51	0.12	ND<0.065	0.63	
E5.5-1651	0.25	11/3/2015	4.5	1.3	ND<0.065	5.8	
D/E7-1614	0.25	11/3/2015	0.18	0.12	ND<0.066	0.30	
D/E6.5-1628	0.25	11/3/2015	ND<0.066	ND<0.066	ND<0.066	ND<0.066	
Eb6.5-1629	0.25	11/3/2015	ND<0.067	ND<0.067	ND<0.067	ND<0.067	duplicate
E6.5-1629	0.25	11/3/2015	ND<0.065	ND<0.065	ND<0.065	ND<0.065	
D/E6-1640	0.25	11/3/2015	0.43	0.24	ND<0.065	0.67	
D/E5.5-1650	0.25	11/4/2015	0.12	0.094	ND<0.0097	0.214	
D/E5-1663	0.25	11/4/2015	ND<0.0095	ND<0.0095	ND<0.0095	ND<0.0095	
D/E4.5-1673	0.25	11/4/2015	ND<0.0095	ND<0.0095	ND<0.0095	ND<0.0095	
D/E4-1686	0.25	11/4/2015	0.064	0.061	0.0097	0.1347	
D/E3.5-1695	0.25	11/4/2015	0.041	ND<0.0094	ND<0.0094	0.041	
D/E3-1708	0.25	11/4/2015	ND<0.0097	ND<0.0097	ND<0.0097	ND<0.0097	
D/E2.5-1716	0.25	11/4/2015	0.17	0.10	0.014	0.284	
D/E2-1728	0.25	11/4/2015	ND<0.0094	ND<0.0094	ND<0.0094	ND<0.0094	
D2.5-1715	0.25	11/4/2015	0.010	ND<0.0095	ND<0.0095	0.010	
D3.5-1694	0.25	11/4/2015	0.026	ND<0.0095	ND<0.0095	0.026	
Db3.5-1694	0.25	11/4/2015	0.031	0.026	ND<0.0096	0.057	duplicate
D4.5-1672	0.25	11/4/2015	0.016	0.011	ND<0.0095	0.027	
D5.5-1649	0.25	11/4/2015	ND<0.0096	ND<0.0096	ND<0.0096	ND<0.0096	
D6.5-1627	0.25	11/4/2015	0.22	0.10	0.011	0.331	
Db6.5-1627	0.25	11/4/2015	0.30	0.11	0.014	0.424	duplicate
C/D7-1616	0.25	11/4/2015	0.13	0.059	ND<0.0096	0.189	
C/D6.5-1626	0.25	11/4/2015	0.39	0.21	0.017	0.617	
C/D6-1641	0.25	11/4/2015	0.31	0.17	0.015	0.495	
C/D5.5-1648	0.25	11/4/2015	0.067	0.030	ND<0.0095	0.097	
C/D5-1665	0.25	11/4/2015	0.16	0.083	0.0099	0.2529	
C/D4.5-1671	0.25	11/4/2015	0.086	0.051	0.010	0.147	
C/D4-1688	0.25	11/4/2015	0.14	0.084	0.014	0.238	
C/D3.5-1693	0.25	11/4/2015	0.20	0.080	ND<0.0097	0.28	
C/D3-1710	0.25	11/4/2015	0.096	0.051	ND<0.0097	0.147	
C/D2.5-1714	0.25	11/4/2015	0.14	0.097	0.011	0.248	
C/D2-1730	0.25	11/4/2015	0.16	0.097	ND<0.0096	0.257	
C2.5-1713	0.25	11/4/2015	0.22	0.12	0.011	0.351	
C3.5-1692	0.25	11/4/2015	0.15	0.11	ND<0.0095	0.26	
C4.5-1670	0.25	11/4/2015	0.48	0.23	0.019	0.729	
C5.5-1647	0.25	11/4/2015	0.22	0.083	0.010	0.313	
C6.5-1625	0.25	11/4/2015	1.5	0.83	ND<0.067	2.33	
Cb6.5-1625	0.25	11/4/2015	10	5.7	0.83	16.53	duplicate
B/C7-1619	0.25	11/4/2015	2.4	1.4	0.21	4.01	
B/C6.5-1624	0.25	11/4/2015	ND<0.068	ND<0.068	ND<0.068	ND<0.068	
B/C6-1643	0.25	11/4/2015	ND<0.069	ND<0.069	ND<0.069	ND<0.069	
B/C5.5-1646	0.25	11/4/2015	ND<0.069	ND<0.069	ND<0.069	ND<0.069	
B/C5-1667	0.25	11/4/2015	0.12	0.092	ND<0.069	0.212	
B/C4.5-1669	0.25	11/4/2015	0.14	0.12	ND<0.069	0.26	
B/C4-1690	0.25	11/4/2015	2.0	0.89	0.093	2.983	
B/C3.5-1691	0.25	11/4/2015	1.9	1.2	0.10	3.2	
B/C3-1711	0.25	11/4/2015	0.13	0.14	ND<0.069	0.27	
B/C2.5-1712	0.25	11/4/2015	0.18	ND<0.068	ND<0.068	0.18	
B/C2-1731	0.25	11/4/2015	ND<0.068	ND<0.068	ND<0.068	ND<0.068	
B/Cb2-1731	0.25	11/4/2015	0.18	0.12	ND<0.068	0.30	duplicate

Table 1
RESULTS OF LABORATORY ANALYSIS OF SOIL SAMPLES
POLYCHLORINATED BIPHENYLS
SOXHLET EXTRACTION METHOD
Former Agricultural Park, Riverside, California

			Soxhlet Extraction Method				
Sample ID	**Sample Depth (fbg)**	**Date Collected**	**Aroclor 1248 (mg/kg)**	**Aroclor 1254 (mg/kg)**	**Aroclor 1260 (mg/kg)**	**Total PCBs (mg/kg)**	**Notes**
B6.5-1623	0.25	11/4/2015	0.24	0.11	ND<0.066	0.35	
Bb6.5-1623	0.25	11/4/2015	1.1	0.54	ND<0.067	1.64	duplicate
B5.5-1645	0.25	11/4/2015	ND<0.066	ND<0.066	ND<0.066	ND<0.066	
B4.5-1737	0.25	11/4/2015	0.26	0.14	ND<0.068	0.40	
B3.5-1735	0.25	11/4/2015	24	11	0.72	35.72	
B2.5-1733	0.25	11/4/2015	ND<0.069	ND<0.069	ND<0.069	ND<0.069	
Bb2.5-1733	0.25	11/4/2015	ND<0.0096	ND<0.0096	ND<0.0096	ND<0.0096	duplicate
PCB Cleanup Goal						**0.23**	

Notes:
mg/kg = milligrams per kilogram
fbg = feet below grade
Highlighted value exceeds PCB cleanup goal.

Piles of dirt are stacked next to homes. The dust from construction continues today.

DUST MONITORING LOG
COX PROPERTIES – AG PARK
RIVERSIDE, CA

7 ug/m³ limit

DATE	Wind Direction	UPWIND (µg/m³)				DOWNWIND (µg/m³)				Δ	GilAIR
		Tag	Time	Con	Speed	Tag	Time	Con	Speed		
10/23/13	S	51	0721	338.4	1.8	73	0726	152.9	1.0	185.5	FOG.
	SE	51	0820	368.8	1.4	73	0825	141.9	0.9	226.9	FOG
	SE	51	0920	302.4	0.7	73	0925	115.7	1.4	186.7	FOG
	SE	51	1020	314.7	1.4	73	1025	123.8	0.5	190.9	FOG.
	SE	51	1120	290.5	4.9	73	1125	130.7	4.5	159.8	FOG.
	SE	51	1220	304.1	2.7	73	1225	139.3	2.4	164.8	FOG.
	SE	51	1320	357.6	1.0	73	1325	162.9	2.9	194.7	FOG.
	SE	51	1420	331.2	5.2	73	1425	131.0	4.3	200.2	FOG.
	SE	51	1454	345.9	4.3	73	1500	154.3	5.0	191.6	FOG.
10/24/13	SE	52	0725	410.4	1.1	76	0729	184.5	1.8	225.9	0700 FOG.
	SE	52	0820	374.1	1.0	76	0825	157.4	1.9	216.7	FOG.
	SE	52	0920	278.4	3.4	76	0925	124.3	2.4	154.1	FOG.
	SE	52	1020	277.9	3.1	76	1025	125.6	3.0	152.3	FOG.
	SE	52	1120	317.5	3.3	76	1125	146.9	3.4	170.6	FOG.
	SE	52	1220	329.1	1.9	76	1225	161.1	4.3	168	FOG.
	SE	52	1322	366.2	2.5	76	1329	140.0	4.0	226.2	FOG.
	SE	52	1420	367.5	2.9	76	1425	163.3	3.0	204.2	FOG.
	SE	52	1455	355.6	3.3	76	1500	165.3	3.0	190.3	FOG. 1500

The action level for dust particles during the grading and construction was set at 7micrograms per cubic meter (ug/m³). The report states, "Exceedances of this level indicated potentially elevated levels of PCVs". As you can see for more than 50 days the levels far exceeded the allowable levels yet no one stopped the work, reported the high levels or suffered any consequence for repeatedly exposing local residents to unacceptable levels of contaminated dust. Everyone sat back and allowed residents to be exposed.

Main Gate Jurupa and Rutland 9-14-16

Wind

Main Gate Jurupa and Rutland 9-14-16

Dusty Scoop

Main Gate Jurupa and Rutland 9-14-16

Scott Hilton

Main Gate Jurupa and Rutland 9-14-16

Scott Hilton

Main Gate Jurupa and Rutland 9-2-16

Conversation with AQMD Representative

Main Gate Jurupa and Rutland 9-14-16

Conversation with Greg Neal

Main Gate Jurupa and Rutland 9-14-16

Conversation with Greg Neal

Main Gate Jurupa and Rutland 9-14-16

Scott Hilton – Street Sweeper

Main Gate Jurupa and Rutland 9-14-16

Scott Hilton