Department of Toxic Substances Control

Matthew Rodriquez
Secretary for
Environmental Protection

Barbara A. Lee, Director
5796 Corporate Avenue
Cypress, California 90630

Edmund G. Brown Jr.
Governor

November 28, 2017

Resident
(Property Address)
Riverside, California 92503

SUBJECT: RESULTS OF SOIL SAMPLING AT (PROPERTY ADDRESS)

Dear Owner/Resident:

Thank you for participating in the California Department of Toxic Substances Control (DTSC) sampling program for the neighborhood surrounding the Riverside Agricultural Park site (Ag Park), in Riverside, California. With your permission, DTSC collected soil samples at your property, and analyzed them in our laboratory for the presence of chemicals known as polychlorinated biphenyls (PCBs).

Sampling results at your property found conditions are health protective for residential use. Sampling found that all four (4) surface soil samples collected at your property had no detection of PCBs. The fifth sample collected at 2.5 feet below ground surface detected PCBs at levels within a health protective level for a residential setting. Therefore, no further action is required for your property.

For your information attached please find a table showing the analytical results, figures depicting the sampling locations, and the laboratory report. Also attached please find a question and answer form to help you with better understanding the purpose of the sampling and the results of your property's soil samples.

DRAFT

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Thank you again for your participation in the neighborhood sampling conducted by DTSC. Should you have any questions, please contact me at (714) 484-5459 or by email at [HYPERLINK "mailto:Peter.Garcia@dtsc.ca.gov"], or Mr. Amit Pathak, Senior Hazardous Substances Engineer and Project Manager at (714) 484-5468 or by email at [HYPERLINK "mailto:Amit.Pathak@dtsc.ca.gov"].

Sincerely,

Peter A. Garcia
Branch Chief
Brownfields Restoration and School Evaluation Branch
Brownfields & Environmental Restoration Program
Department of Toxic Substances Control

Enclosure: Soil Sampling Report

cc:

SOIL SAMPLING REPORT
(Street Address)
November 28, 2017

Introduction

In response to community concerns, DTSC conducted soil sampling in the neighborhood near Ag Park. DTSC shared a Draft Sampling Plan with the community and released it for a 30-day public comment period. After consideration of all comments, DTSC finalized the sampling plan and began the neighborhood soil sampling in mid-summer 2017. The purpose of the sampling was to collect soil data to determine if chemicals known as Polychlorinated Biphenyls (PCBs) may have migrated to the neighborhood from the Ag Park via windblown dust, and if so, if they present a potential health risk.

DTSC sampled 27 properties, including two properties owned by the City of Riverside (Rutland Park and a right-of-way bordering Ag Park on the west), where public has access to. DTSC prepared a report for each property where sampling was conducted. DTSC has shared the sampling results with the City of Riverside (for City's properties) and with each resident (for their own property) whose property was sampled. DTSC and United States Environmental Protection Agency (US EPA) have determined that neighborhood sampling results demonstrated that conditions are health protective for residents of the properties adjacent to Ag Park that participated in the neighborhood sampling program. This report presents the findings of DTSC's soil sampling on your property.

Why did DTSC Sample my Yard?

At DTSC's request, CARB conducted a scientific study (Air Dispersion Modeling) to predict where PCBs may be found in the neighborhood if they were windblown from the Ag Park site in the form of dust. Based on the results of the CARB air dispersion modeling analysis and additional input from the Ag Park Neighborhood Work Group, California Department of Public Health, CARB, and the City, DTSC selected your property and another two dozen residential properties adjacent to Ag Park for sampling. Your property was identified as one which may have a higher likelihood of dust from the Ag Park being blown towards your property based on wind data.

What are PCBs?

PCBs belong to a broad family (Aroclors) of man-made organic chemicals known as chlorinated hydrocarbons. PCBs were domestically manufactured from 1929 until manufacturing was banned in 1979. PCBs vary in consistency from thin, light-colored liquids to yellow or black waxy solids. Due to their chemical properties, PCBs were commonly used in hundreds of industrial and commercial applications.

PCBs can cause short-term and long-term health effects. For more information about PCBs including health effects, please go to [HYPERLINK "https://www.epa.gov/pcbs/learn-about-polychlorinated-biphenyls-pcbs#healtheffects"].

How Were Soil Samples Collected and Analyzed?

Soil samples were collected on your property within six (6) inches of the ground surface to evaluate dust deposits. Single use, individually wrapped and sealed scoops were used to collect the samples that were then transferred to laboratory certified glass containers. In some cases, deeper soil samples (up to 2.5 feet below ground surface) were obtained using a manual hand-auger to bore down to the desired depth.

All samples were analyzed for PCBs (various family compounds of PCBs or Aroclors) by DTSC's Environmental Chemistry Laboratory (ECL) using US EPA approved analytical methods. US EPA also took some split samples and analyzed them independent of DTSC's ECL laboratory.

What Were the Results from the Laboratory and what do they Mean?

A conservative health protective screening level of 0.22 milligram per kilogram (mg/kg) of PCBs in soil was used to screen your property for potential impacts from the Ag Park. PCBs were not detected in any surface soil samples collected on your property. PCBs were detected in one sample collected at 2.5 feet below ground surface slightly above the screening level (0.246 mg/kg compared to 0.22 mg/kg). It should be noted that the screening level of 0.22 mg/kg is part of a range of concentrations that may be considered health protective. Based on a health risk evaluation, DTSC and US EPA consider the concentration detected in the 2.5 ft. deep soil sample on your property is health protective.

What Happens Next?

No additional activities are required at your property. The overall sampling results from your property and others will be compiled and shared publicly, but your specific property sample results will be kept confidential and not shared with the public.

Who Can I Call for More Information?

Should you have any questions or concerns, please contact Amit Pathak, DTSC Project Manager at (714) 484-5468 or at [HYPERLINK "mailto:Amit.Pathak@dtsc.ca.gov"].

Property Sampling Location Map

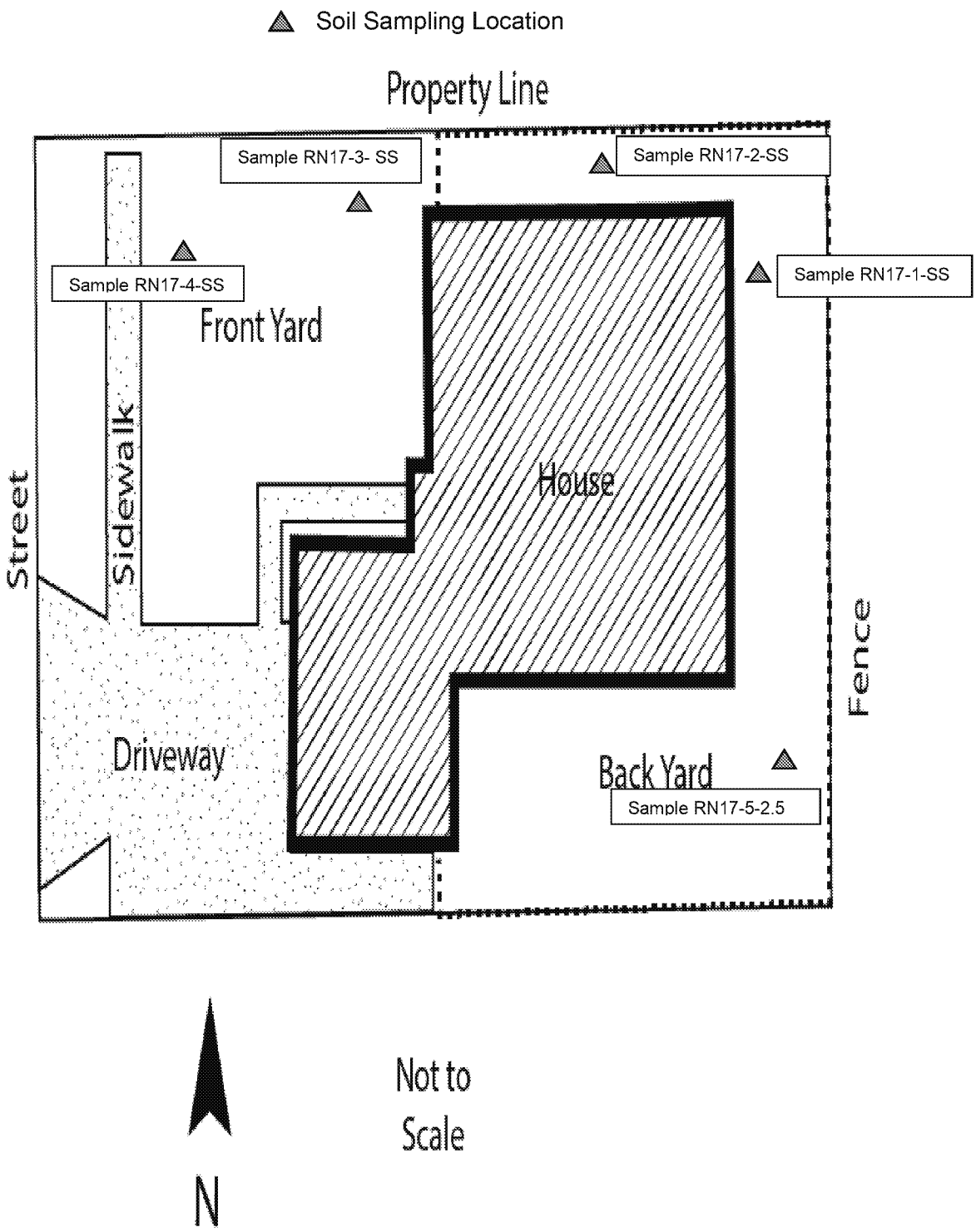

Table 1 - Sampling Results:

Sampling ID	Sampling Results (Total PCBs) mg/kg	Is the Result Above the Preliminary Screening Level of 0.22 mg/kg? Yes/No
RN17-1-SS	Not Detected	No
RN17-2-SS	Not Detected	No
RN17-3-SS	Not Detected	No
RN17-4-SS	Not Detected	No
RN17-5-2.5	0.246	Slightly above
RN17-5-SSEPA (Split of RN17-4-SS)	0.0095	No