WELCOME to the
Contra Costa County
Sierra-Crete® Task Force
Informational Open House and Community Meeting
To further evaluate and verify the information provided by DuPont, the Contra Costa County Health Department convened a Sierra-Crete® Task Force under the direction of Contra Costa County Health Department Director Dr. Wendel Brunner.

The purposes of the Task Force were to:

1. Evaluate the technical methods and assumptions used in the initial Human Health Risk Assessment (HHRA);
2. Perform additional environmental sampling in the Cities of Antioch, Brentwood, Oakley, Pittsburg and in Bay Point to further understand and evaluate the occurrence of dioxins on stained road surfaces and in Sierra-Crete®;
3. Prepare an updated HHRA that incorporates all of the available information pertaining to the use of Sierra-Crete® in East Contra Costa County and further evaluates the potential for exposure and health effects on road workers and residents; and,
4. Provide recommendations to County and State authorities on the need for actions to ensure the continued wellbeing of residents in East Contra Costa County.

The Contra Costa County Sierra-Crete® Task Force includes representatives from the following:

Contra Costa County Health Department ■ Contra Costa County Public Works Department ■ Contra Costa County Office of the County Administrator ■ Contra Costa County District V Office ■ Contra Costa County District III Office ■ California Department of Toxic Substances Control ■ California Department of Health Services ■ Central Valley Regional Water Quality Control Board ■ Local Residents and Property Owners ■ City of Antioch ■ City of Brentwood ■ City of Oakley ■ City of Pittsburg ■ DuPont Company ■ And Other Interested Parties
DIOXIN EXPOSURES FROM SIERRA-CRETE®
RELATIVE TO TYPICAL EXPOSURES FROM BACKGROUND SOURCES

Possible Exposures from Sierra-Crete® During Road Construction
Average Daily Exposure

Possible Exposures from Sierra-Crete® During Current & Future Use of Roads
Average Daily Exposure

Possible Exposures from Sierra-Crete® During Road Maintenance
Average Daily Exposure

A team of experts identified the foreseeable ways that people could come into contact with Sierra-Crete®. The potential levels of dioxin exposures to road construction workers, residents, and road maintenance workers are a negligible fraction of a person’s normal daily intake of dioxins from soil, air, water, and the diet.

*Source: USEPA Dioxin Reassessment Report (September 2000)

Prepared by ENVIRON
# Summary of Environmental Sampling

<table>
<thead>
<tr>
<th>Media</th>
<th>Numbers of Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sierra-Crete® [1]</td>
<td>27 samples</td>
</tr>
<tr>
<td>East County Pavement Surfaces Where Sierra-Crete® was Used [2]</td>
<td>104 samples</td>
</tr>
<tr>
<td>Background Pavement Surfaces Where Sierra-Crete® was Not Used [3]</td>
<td>11 samples</td>
</tr>
<tr>
<td>Soil from Road Beds 3 ft Beneath the Sierra-Crete® Layer</td>
<td>16 samples</td>
</tr>
<tr>
<td>Dirt from Cracks in the Asphalt Pavement on Streets Where Sierra-Crete® was Used</td>
<td>2 samples</td>
</tr>
</tbody>
</table>

[1] Data include samples collected from beneath asphalt pavement in February and September 2002, including the former DuPont Oakley plant, residential roads, one school, and a sports youth complex parking lot. Two samples found not to be Sierra-Crete® were excluded from this data set.

[2] Data include all stained and unstained road surface samples from asphalt pavement surface sampling conducted in April/May and September 2002.

[3] Data include road surface samples collected in April/May and September 2002.

### Sierra-Crete® Locations: How were the Maps Made?

**Bay Point and Pittsburg:**
Based on information in DuPont sales documents and Contra Costa County records. Basemap is provided by the City of Pittsburg.

**Antioch:**
Based on information from City of Antioch records. Basemap is provided by the City of Antioch.

**Oakley:**
Based on information in DuPont sales documents and Contra Costa County records. Basemap is provided by the City of Oakley.

### Key for Sierra-Crete® Locations on Maps

- Presence of Sierra-Crete® is strongly believed to be present in the areas shown.

- Presence of Sierra-Crete® is suspected, but its presence and boundaries may have to be confirmed by testing base materials.

- Streets with Sierra-Crete® in Aggregate Base (A.B.) and Sub-base (A.S.B.) sections (for the City of Antioch only).
After a thorough analysis that examined the potential for exposure to Sierra-Crete®, the Contra Costa County Sierra-Crete® Task Force has concluded that its presence poses no significant health risks to the residents of East Contra Costa County. This conclusion is based on three separate examinations of the data:

- The levels of dioxins found on road surfaces underlain with Sierra-Crete® are similar to background levels. There is no evidence of migration of dioxins into soil or to groundwater;

- The amount of potential dioxin intake by current residents that is estimated to occur as a result of the presence of Sierra-Crete® represents approximately 2% of the normal daily background intake of dioxins from soil, air, water and consuming a variety of foods; and,

- Calculations of the theoretical cancer and non-cancer risks from potential exposures to metals and dioxins show that risk levels are within any level of regulatory or public health concern.