Kern County Waste Management, Kern County Roads and Community Clean Sweep have joined together to combat roadside trash and litter with a signature "adopt-a-road" type program called **Keep Kern Roads Clean.**

From Lost Hills to Boron; Shafter to Frazier Park; Lamont to Ridgecrest; flyaway trash, litter and illegal dumping clutter our roads. **Keep Kern Roads Clean** is the road map to clear away the mess. Under the program, Individuals, families, organizations and businesses can volunteer to clean-up sections of roads within the Kern County Road System.

The program is being promoted with a billboard campaign throughout the county. Television advertising and a Press Conference will follow. Bright yellow trash bags, with the **Keep Kern Roads Clean** logo, are in stock along with gloves and safety vests. These items are provided by the county to support the program.

The program basics are simple:

- Individuals or groups volunteer to clean-up a two-mile stretch of road for a minimum of two years.
- A group contact/leader is selected.
- The individual or group agrees to clean the chosen roadside four times per year (more if the area is especially litter-plagued).
- The County features the group’s name on a **Keep Kern Roads Clean** sign marking the adopted area.
- **Keep Kern Roads Clean** will provide an encroachment permit, safety training, safety vests, trash bags, gloves, post-cleanup trash bag pick-up and disposal. The **Keep Kern Roads Clean** project costs volunteers nothing but time and energy.
- Volunteers bask in the glory of making a visible difference in the place we all call home.

Applications are available online at www.co.kern.ca.us/kkrc. Volunteers can fill it out online or print it out, fill it in and mail to:

**Keep Kern Roads Clean**

c/o Kern County Roads Department
2700 M Street, Suite 400
Bakersfield, CA 93301   or fax application to 862-8851

Interested residents can contact the Kern County Roads Department regarding road availability. All roads must be in an unincorporated county area. County Roads staff will be happy to help volunteers select a road to adopt.

**Keep Kern Roads Clean** is a great way to be the change we want to see!
Complete Rubbish
Houses made from trash?

Hoping to replace the 350 million or so concrete blocks manufactured in England, British engineers with the University of Leeds are using trash and other waste materials to form "Bitublocks" as an alternative.

The Bitublocks are made from crushed glass, pulverized fuel ash, steel slag and other waste products that would normally wind up in landfills or, worse, wherever they happen to be discarded. Further, less energy is required to make the Bitublocks than is needed for concrete, according to John Forth with the Leeds School of Engineering.

Bitumen, a sticky organic substance used widely in road construction is the binding agent for Bitublocks, which are molded and then heated to oxidize the mixture into a hardness that rivals concrete.

For more information contact: Dr. John Forth, j.p.forth@leeds.ac.uk

Reprinted by permission: Texas Innovator, Winter 2008

Microwave Meltdown

Global Resource Corporation of West Berlin, New Jersey has introduced a machine, the HAWK 10, which uses microwaves to break down or "crack" the hydrocarbons in plastic waste. The process yields diesel oil and a combustible gas. The gas is used as fuel for the operation of the HAWK 10. What a perfect closed recycling loop!

For more information contact: Jerry Meddick, Global Resource Corp., jmeddick@globalresourcecorp.com

Reprinted by permission: Texas Innovator, Winter 2008

For Your Information
Local Landfill Locations & Hours:

<table>
<thead>
<tr>
<th>Landfill</th>
<th>Address</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bena Landfill</td>
<td>17 miles east of Bakersfield, off Hwy. 58, at Tower Line Road</td>
<td>Sun, Mon, Wed, Fri: 8 am to 4 pm Mon and Sat: 8 am to 4 pm</td>
</tr>
<tr>
<td>Boron Landfill</td>
<td>1/2 mile south of Boron, at 11400 Boron Avenue</td>
<td>Sun: 12 pm to 4 pm Sat: 8 am to 4 pm Closed: Wednesday and Friday</td>
</tr>
<tr>
<td>Mojave-Rosamond Landfill</td>
<td>5 miles south of Mojave, 1 mile east of Hwy. 14, at 400 Silver Queen Road</td>
<td>Sun, Wed and Fri: 8 am to noon Mon and Sat: 8 am to 4 pm Closed: Tues and Thurs</td>
</tr>
<tr>
<td>Ridgecrest Landfill</td>
<td>5 miles southwest of Ridgecrest, 3301 Bowman Road</td>
<td>Open Daily: 8 am to 4 pm</td>
</tr>
<tr>
<td>Shafter-Wasco Landfill</td>
<td>8 miles west of Shafter, off Lerdo Hwy. 1 mile north of Scofield Ave at 16721 Scofield Ave</td>
<td>Open Daily: Sun: 10 am to 2 pm Mon - Sat: 8 am to 4 pm</td>
</tr>
<tr>
<td>Taft Landfill</td>
<td>4 miles north of Taft, 1 mile north of Hwy. 119, at 13351 Elk Hills Rd.</td>
<td>Open: Sun, Mon, Wed, Fri and Sat Sun: noon to 4 pm Mon, Wed, Fri &amp; Sat: 8 am to 4 pm Closed: Tues and Thurs</td>
</tr>
</tbody>
</table>

Tehachapi Landfill
12001 Tehachapi Blvd., Tehachapi
Open: Sun, Mon, Wed, Fri, Sat
Mon, Wed, Fri and Sat: 8 am to 4 pm Sun: 8 am to 12 pm
Closed: Tues and Thurs

Kern County Special Waste Facilities:

Metro Bakersfield Facility
4951 Standard Street, Bakersfield
Thursday - Saturday
8 AM until 4 PM

Mojave Facility
17035 Finnin Street at the Mojave Airport
1st Saturday of every month
9:00 AM until NOON

NOTE: All county sites are closed on the following holidays: New Year's Day, Easter Sunday, 4th of July, Thanksgiving Day and Christmas Day.

Bitublocks use up to 100% waste materials and avoid sending them to landfill, quite unheard of in the building industry.

Bitumen, a sticky organic substance used widely in road construction is the binding agent for Bitublocks, which are molded and then heated to oxidize the mixture into a hardness that rivals concrete.

For more information contact: Dr. John Forth, j.p.forth@leeds.ac.uk

Reprinted by permission: Texas Innovator, Winter 2008

Less energy is used to manufacture the Bitublock than a traditional concrete block, and it's about six times as strong, making it a high-performance product. Shown above: a Bitublock wall.

Global Resource Corporation of West Berlin, New Jersey has introduced a machine, the HAWK 10, which uses microwaves to break down or "crack" the hydrocarbons in plastic waste. The process yields diesel oil and a combustible gas. The gas is used as fuel for the operation of the HAWK 10. What a perfect closed recycling loop!

For more information contact: Jerry Meddick, Global Resource Corp., jmeddick@globalresourcecorp.com

Reprinted by permission: Texas Innovator, Winter 2008

Microwave Meltdown

Global Resource Corporation of West Berlin, New Jersey has introduced a machine, the HAWK 10, which uses microwaves to break down or "crack" the hydrocarbons in plastic waste. The process yields diesel oil and a combustible gas. The gas is used as fuel for the operation of the HAWK 10. What a perfect closed recycling loop!

For more information contact: Jerry Meddick, Global Resource Corp., jmeddick@globalresourcecorp.com

Reprinted by permission: Texas Innovator, Winter 2008

For Your Information
Local Landfill Locations & Hours:

<table>
<thead>
<tr>
<th>Landfill</th>
<th>Address</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bena Landfill</td>
<td>17 miles east of Bakersfield, off Hwy. 58, at Tower Line Road</td>
<td>Sun, Mon, Wed, Fri: 8 am to 4 pm Mon and Sat: 8 am to 4 pm</td>
</tr>
<tr>
<td>Boron Landfill</td>
<td>1/2 mile south of Boron, at 11400 Boron Avenue</td>
<td>Sun: 12 pm to 4 pm Sat: 8 am to 4 pm Closed: Wednesday and Friday</td>
</tr>
<tr>
<td>Mojave-Rosamond Landfill</td>
<td>5 miles south of Mojave, 1 mile east of Hwy. 14, at 400 Silver Queen Road</td>
<td>Sun, Wed and Fri: 8 am to noon Mon and Sat: 8 am to 4 pm Closed: Tues and Thurs</td>
</tr>
<tr>
<td>Ridgecrest Landfill</td>
<td>5 miles southwest of Ridgecrest, 3301 Bowman Road</td>
<td>Open Daily: 8 am to 4 pm</td>
</tr>
<tr>
<td>Shafter-Wasco Landfill</td>
<td>8 miles west of Shafter, off Lerdo Hwy. 1 mile north of Scofield Ave at 16721 Scofield Ave</td>
<td>Open Daily: Sun: 10 am to 2 pm Mon - Sat: 8 am to 4 pm</td>
</tr>
<tr>
<td>Taft Landfill</td>
<td>4 miles north of Taft, 1 mile north of Hwy. 119, at 13351 Elk Hills Rd.</td>
<td>Open: Sun, Mon, Wed, Fri and Sat Sun: noon to 4 pm Mon, Wed, Fri &amp; Sat: 8 am to 4 pm Closed: Tues and Thurs</td>
</tr>
</tbody>
</table>

Tehachapi Landfill
12001 Tehachapi Blvd., Tehachapi
Open: Sun, Mon, Wed, Fri, Sat
Mon, Wed, Fri and Sat: 8 am to 4 pm Sun: 8 am to 12 pm
Closed: Tues and Thurs

Kern County Special Waste Facilities:

Metro Bakersfield Facility
4951 Standard Street, Bakersfield
Thursday - Saturday
8 AM until 4 PM

Mojave Facility
17035 Finnin Street at the Mojave Airport
1st Saturday of every month
9:00 AM until NOON

NOTE: All county sites are closed on the following holidays: New Year's Day, Easter Sunday, 4th of July, Thanksgiving Day and Christmas Day.

Bitublocks use up to 100% waste materials and avoid sending them to landfill, quite unheard of in the building industry.

Bitumen, a sticky organic substance used widely in road construction is the binding agent for Bitublocks, which are molded and then heated to oxidize the mixture into a hardness that rivals concrete.

For more information contact: Dr. John Forth, j.p.forth@leeds.ac.uk

Reprinted by permission: Texas Innovator, Winter 2008

Less energy is used to manufacture the Bitublock than a traditional concrete block, and it's about six times as strong, making it a high-performance product. Shown above: a Bitublock wall.

Global Resource Corporation of West Berlin, New Jersey has introduced a machine, the HAWK 10, which uses microwaves to break down or "crack" the hydrocarbons in plastic waste. The process yields diesel oil and a combustible gas. The gas is used as fuel for the operation of the HAWK 10. What a perfect closed recycling loop!

For more information contact: Jerry Meddick, Global Resource Corp., jmeddick@globalresourcecorp.com

Reprinted by permission: Texas Innovator, Winter 2008

For Your Information
Local Landfill Locations & Hours:

<table>
<thead>
<tr>
<th>Landfill</th>
<th>Address</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bena Landfill</td>
<td>17 miles east of Bakersfield, off Hwy. 58, at Tower Line Road</td>
<td>Sun, Mon, Wed, Fri: 8 am to 4 pm Mon and Sat: 8 am to 4 pm</td>
</tr>
<tr>
<td>Boron Landfill</td>
<td>1/2 mile south of Boron, at 11400 Boron Avenue</td>
<td>Sun: 12 pm to 4 pm Sat: 8 am to 4 pm Closed: Wednesday and Friday</td>
</tr>
<tr>
<td>Mojave-Rosamond Landfill</td>
<td>5 miles south of Mojave, 1 mile east of Hwy. 14, at 400 Silver Queen Road</td>
<td>Sun, Wed and Fri: 8 am to noon Mon and Sat: 8 am to 4 pm Closed: Tues and Thurs</td>
</tr>
<tr>
<td>Ridgecrest Landfill</td>
<td>5 miles southwest of Ridgecrest, 3301 Bowman Road</td>
<td>Open Daily: 8 am to 4 pm</td>
</tr>
<tr>
<td>Shafter-Wasco Landfill</td>
<td>8 miles west of Shafter, off Lerdo Hwy. 1 mile north of Scofield Ave at 16721 Scofield Ave</td>
<td>Open Daily: Sun: 10 am to 2 pm Mon - Sat: 8 am to 4 pm</td>
</tr>
<tr>
<td>Taft Landfill</td>
<td>4 miles north of Taft, 1 mile north of Hwy. 119, at 13351 Elk Hills Rd.</td>
<td>Open: Sun, Mon, Wed, Fri and Sat Sun: noon to 4 pm Mon, Wed, Fri &amp; Sat: 8 am to 4 pm Closed: Tues and Thurs</td>
</tr>
</tbody>
</table>

Tehachapi Landfill
12001 Tehachapi Blvd., Tehachapi
Open: Sun, Mon, Wed, Fri, Sat
Mon, Wed, Fri and Sat: 8 am to 4 pm Sun: 8 am to 12 pm
Closed: Tues and Thurs

Kern County Special Waste Facilities:

Metro Bakersfield Facility
4951 Standard Street, Bakersfield
Thursday - Saturday
8 AM until 4 PM

Mojave Facility
17035 Finnin Street at the Mojave Airport
1st Saturday of every month
9:00 AM until NOON

NOTE: All county sites are closed on the following holidays: New Year's Day, Easter Sunday, 4th of July, Thanksgiving Day and Christmas Day.
EXTREME Telephone Book Recycling

With 19 years experience in tossing telephone books into recycling bins, you might think there wasn’t a chance the 20th year would be record-breaking! Well, you would be wrong.

Kern County Waste Management celebrated the 20th year of Telephone Book Recycling in an EXTREME way! We kicked the program off with an EXTREME Recycling Event at METRO BMX, the original BMX bike track in Bakersfield. For the entry fee of one outdated telephone directory, participants could ride the track with no additional cost. Donated T-shirts, skateboards, BMX bikes and a week at Woodward West - the Extreme Sports Camp on the West Coast, rounded out a list of door prizes. The event brought in thousands of books and jump started the highly competitive school program.

With more than a dozen schools vying to collect the most books, the competition was fierce. Outdated directories were collected from Woody to Arvin, Taft to Tupman, Northeast to Northwest Bakersfield. At one point, Veterans Elementary had 6 three-yard bins filled with books. Thorne Elementary School was, once again, the top school recycler collecting more than 25 tons of books. Arvin Schools came in second with 13 tons. Newcomer Veterans Elementary came in third place with nearly seven tons collected.

Following collection, local Boy Scouts spent two Saturdays tossing the books into 4’ x 4’ x 5’ gaylord boxes, 112 in all, for a total of 51 tons! Schools, in previous years, gathered no more than 35 tons total. The 51 tons represents a 50% increase in books collected at school sites. The program kicked off the end of March; the last truck headed to the Fresno Recycling Center on June 3, 2008.

DIRECTOR'S COMMENTS

“You’ve got me going in circles…” I am reminded of this as I review proposed waste management legislation swirling around Sacramento. It’s as though I am experiencing Deja Vu as this is reminiscent of the early 1990’s when AB 939 was passed. At the time, there was an avalanche of new laws, regulations and policies being adopted. Many were at best confusing, often in conflict, sometimes impractical, and cost prohibitive. Somehow we’ve navigated through them and find ourselves exceeding the 50% waste diversion compliance mandate. Today, the “finish" line is being moved.

Currently, there is draft legislation to increase the recycling mandate from 50% to as much as 75%; while the California Waste Board has a stated objective to see the state achieve “Zero Waste”. Another piece of legislation takes a different approach in that it seeks to cap the amount of waste being buried, ignoring how much is recycled. One more bill focuses on the recycling programs a jurisdiction has in place, with mandates for additional programs.

Concurrently, California’s self-imposed goal to reduce Greenhouse Gas Emissions has targeted landfills. To that end, the State Air Board is imposing new, costly requirements on the operation of various recycling programs as well as the burial of waste. Therein lies the challenge: mandates to do more costly recycling along side mandates to reduce greenhouse gases. Newer technologies, that might be able to accomplish both, are not yet allowed in the regulations.

Ahhh ... just airing my thoughts offers some relief. Bad news is we’ve been here before and we know the negative (extreme cost) impact it can have on the industry. Good news is, we’ve been here before and we have the ability to work through these complicated challenges.

Who ever said “trash” was an easy subject??????
This book is packed with more than just telephone numbers!

The at&t Real Yellow Pages is packed with everything you need to know about waste recycling and disposal in Kern County.

Look for the Kern County Recycling Guide green & white tab and put the world of waste recycling and disposal at your fingertips.

Where can I take tires? It's in there.
What about appliances? It's in there.
Does anyone take old paint? It's all in the Kern County Recycling Guide.

The at&t Real Yellow Pages. More than just telephone numbers ... much more.

Kern County Recycling Hotline:
(661) 862-8979

Kern County Waste Management Department
Local: (661) 862–8900
Toll-free: (800) 552–KERN (option6)
(800) 552–5376
TTY – ready: (800) 735–2929
Web site: www.co.kern.ca.us/wmd

City of Bakersfield Solid Waste Division
Local: (661) 326–3114
(Mount Vernon Green Waste Facility & Metro Bakersfield Drop-Off Recycling Centers)
Web site: www.ci.bakersfield.ca.us

California Integrated Waste Management Board
Sacramento: (916) 341–6300
Web site: www.ciwmb.ca.gov

California Materials & Exchange (Cal-MAX)
(877) 520–9703
Web site: www.ciwmb.ca.gov/calmax

The 2008 Telephone Book Recycling Program saved more than 40,000 telephone books from being buried in a local landfill.