Placer County & Placer County RCD Working Together

Robert M. Weygandt
Placer County Supervisor, District 2
Looking Back
Accomplishments and Ongoing Projects
Established 6 Watershed Groups

- Auburn Ravine/Coon Creek
- American River
- Pleasant Grove/Curry Creek
- Bear River
- Truckee River
- Dry Creek

“Promoting a stewardship strategy for resource conservation”
Placer-Nevada Wastewater Authority (JPA)

- Regional Solution to Waste Water Treatment
- Partnership: Placer County & Placer County RCD
- JPA Members: City of Lincoln
- City of Auburn
- Placer County
- Nevada County
- Newcastle Sanitary District
- South Placer Municipal Utility District
Placer-Nevada Wastewater Authority (JPA)
Education

Placer County RCD & USDA-NRCS provide public outreach, highlighting available services.
Education

NRCS representative Cliff Heitz demonstrates fuel load fire characteristics at community events.
Annual Agriculture Tour in Placer County

Partnership: Placer County RCD, USDA-NRCS, Placer County, Placer County Water Agency, University of California Cooperative Extension, Nevada Irrigation District
Local High School Fish Raising Project

Partnership: Placer County RCD, Placer County, PG&E, City of Lincoln, Lincoln High School, Inland Fisheries Foundation, California Department of Fish & Game
Water Quality Monitoring at Local High School

Biological & Chemical Assessment

Partners: Placer County RCD, Placer County, Lincoln High School, Auburn Ravine/Coon Creek CRMP; Nevada Irrigation District, PG&E, Placer County Water Agency
Reduce, Reuse, Recycle

Partnership: Placer County RCD & Western Placer Waste Management Authority

Mark White, Placer County RCD educates elementary students about recycling.
Oil and Tire Recycling Education Partnership: Placer County RCD & California Conservation Corp

With help from a local non-profit, over 5,000 tires were collected as part of a grant from the Integrated Waste Management Board.
Fuel Load Reduction Chipper Program

- PG&E Settlement/3 tow trucks & 3 chippers
- Partners: PG&E, Placer County RCD, Placer County, CDF, Tahoe RCD
Fuel Load Reduction

Partners: USDA-NRCS, Placer County RCD, Placer County, CDF, Placer County Fire Safe Alliance
Healthy Forest Management

Partners: Placer County RCD, USDA-NRCS, Placer County, California Fire Safe Council, Placer County Fire Safe Alliance, U.S. Forest Service

Cliff Heitz from NCRS provides fuel load reduction and healthy forest “awareness tour” to legislators’ aides.
Erosion Control & Sediment Discharge Control

Partners: City of Roseville, City of Auburn, City of Lincoln, Placer County, Placer County RCD

Mark White, Placer County RDC consults with county staff about erosion and sediment control practices for urban construction.
Storm Water Education Workshop to City of Roseville staff by Placer County RCD (concrete washout).
Looking Ahead
Truckee River Access Plan

Partners: Truckee River Watershed, Placer County RCD, Placer County
Martis Valley Community Plan/Water Quality Monitoring Plan
Partners: Placer County, Lahontan Regional Water Quality Control Board
Restoration Programs

Partners: Placer County RCD, NRCS, Placer County, PG&E, California Department of Fish and Game, Granite Bay Fly Casters

Placer County RCD works w/various watershed groups to assess water quality.
FERC Re-licensing

Partners: Placer County RCD, Placer County Water Agency, PG&E, Placer County
NPDES (National Pollution Discharge Elimination System) Phase II/Ag Waiver

Partners: Placer County RCD, Placer County, City of Roseville, City of Lincoln, City of Auburn.
Partnering with Placer Legacy’s NCCP/HCP
Thermo Depolymerization Process

1. Unused turkey parts and water are dumped into a grinder and pulverized into a slurry that has the consistency of peanut butter.

2. The slurry is then heated to 260 °C and subjected to 275 kilograms of pressure.

3. In the first of two reactor stages, the heated and pressurized mixture is depolymerized—that is, cooked for between 15 minutes and an hour to break apart the molecular structure of the organic material.

4. The mixture is sent to a flash tank, where the pressure is released. The resulting steam is recaptured to power the system. Minerals sink to the bottom and flow into a separate tank. Organic materials move to the second reactor.

5. Temperatures of almost 500 °C further break down the organic materials. An auger moves carbon particles into a drum.

6. The hot fluid moves into distillation tanks, where it cools and condenses. Organic materials and water separate. The water sinks to the bottom. A fuel gas is taken off the top, leaving a crude oil similar to a mix of diesel fuel and gasoline.

7. The crude oil moves into storage tanks for later sale.
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