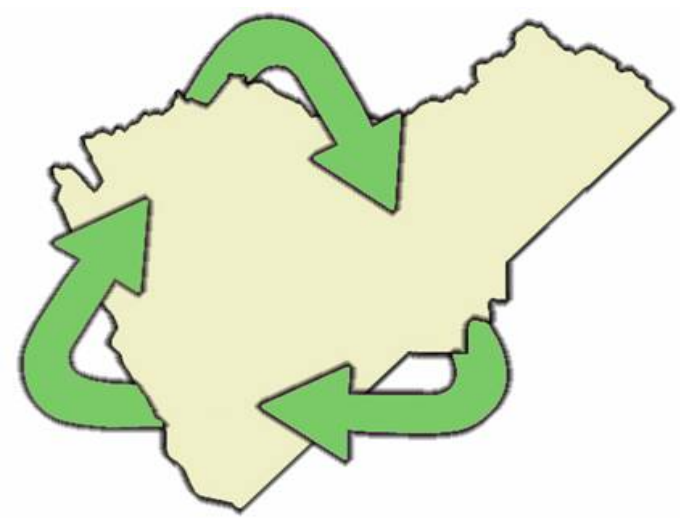
# Mariposa County
# MSW Composting Facility, Landfill & Recycling Center

# LOAD CHECKING PROGRAM

Mariposa County Public Works Department

# General Background

- Mariposa & Solid Waste & Recycling System
- LOAD CHECKING PROGRAM



# Mariposa Background

- Approximately 931,200 acres 452,384 acres publicly owned by NPS, USFS and BLM
  - Home of Yosemite
- Population- 2006 19,000 est.
- Over 3  million visitors to Yosemite annually
- Demographics
  - April 2000- July 2003, 3.9 % increase (State 4.8%)
  - Percent Change 1990-2000 19.8% (State 13.6 %)

# General Solid Waste & Recycling System Background

- Facilities
  - 1 Landfill
  - 4 Transfer Stations
- Haulers
  - NPS
  - Total Waste Systems- 2 Franchise Agreements
  - Fiske Disposal- 1 Franchise Agreement
- Education and Outreach
  - Public Education, Schools and Businesses

Coca-Cola

# Landfill

- Parcel 59 acres, 26 acres permitted Class III with maximum potential disposal acreage at 40
- Currently Operated by Mariposa County
  - Operation taken over February 1, 2005
- Home of the MSW Compost Facility

# Landfill

- Permitted for 100 TPD
- Annual disposal average at 12,500 tons per year
- NPS materials- over one third of the material
- No Permanent HHW Facility
  - Agreement with Merced County
  - HHW events with Merced County
  - Planning Development of HHW Facility

# Mariposa County Landfill

# MSW COMPOST FACILITY

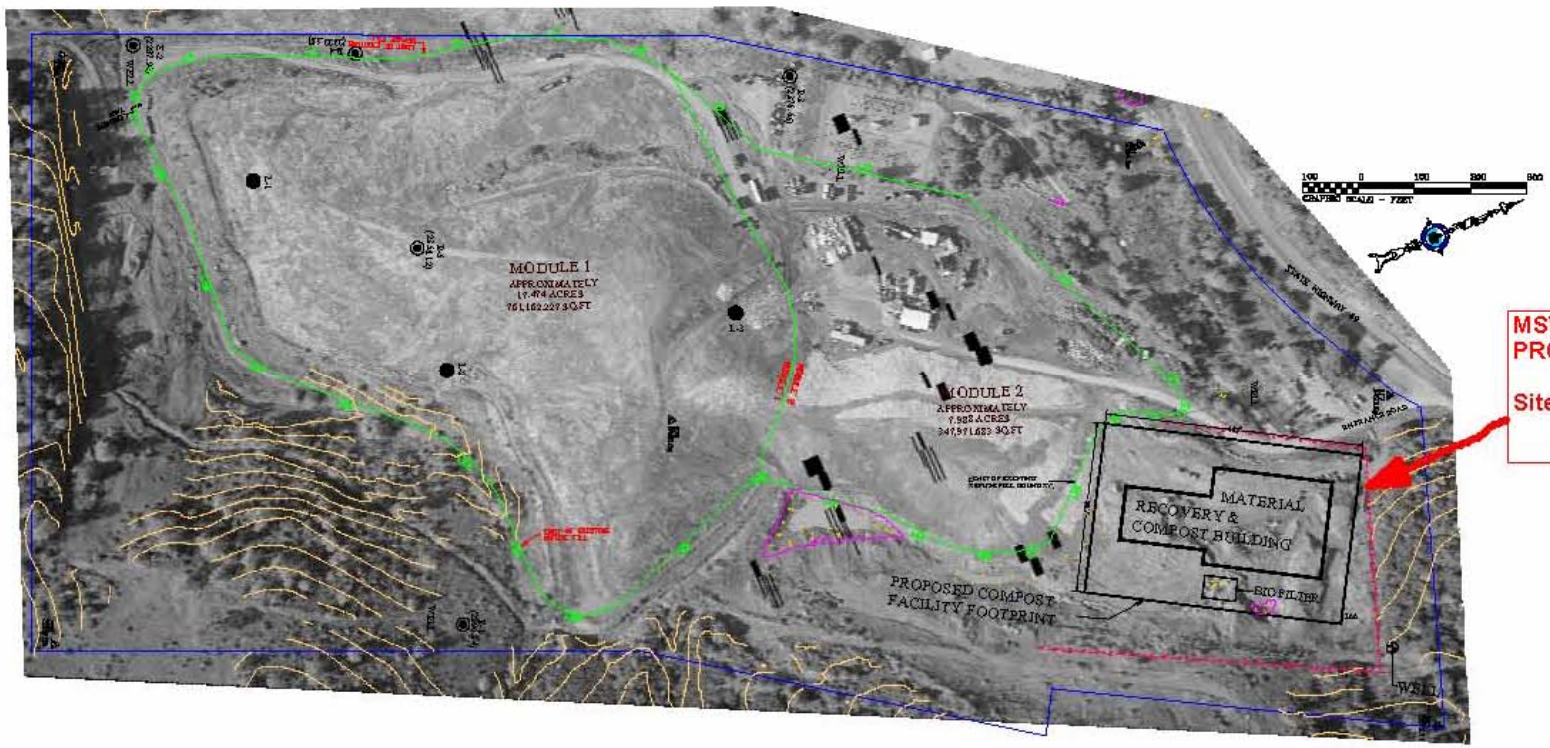
- General History
- Facility Overview
  - Site Layout
  - Process
  - Construction Progress
  - Operations

# Composting Facility Overview

- Location at existing Landfill Parcel
- Construction site approximately 3.1 acres
- 50,000 Square Foot Facility
- Designed capacity to accept 80 tons of MSW per
- Pre Compost Process includes additional recycling opportunities
- **Tipping Floor allows for easier and routine Load Checking**
- Project Includes Educational Viewing Rooms

NOTES:
1. GRADING PLAN REFLECTS PERIOD OF OCT. 1997 TO OCT. 2002
2. REFER TO LANDFILL MASTER PLAN DATED JULY, 1988 FOR ADDITIONAL INFORMATION ON BUFFERS TO ADJACENT PROPERTY AND LONG TERM OPERATIONS PLANS
3. DATA GATHERED FROM AERIAL FLOWN IN DECEMBER 17, 2001

LEGEND
= LIMITS OF EXISTING REFUSE FILL PER MAP DATE 10/07/98
= BOUNDARY BETWEEN MODULE 1 & MODULE 2
= EXISTING CONTOUR LINES (2' INTERVALS) AS OF 10/97
L-1 = LEACHATE MONITORING WELL
E-4 = GROUND-WATER MONITORING WELL
= LANDFILL GAS MONITORING SITE




MSW COMPOST PROJECT

Site Location

COUNTY OF MARIPOSA
DEPARTMENT OF PUBLIC WORKS
4639 BEN HUR ROAD
MARIPOSA, CA 95338 (209) 966-3356

Mariposa Landfill

PROJECT NO. 95-28

DATE: 10/21/04
SCALE: 1" = 100'
DRAWN BY: CARDOSO
SHEET 1 OF 1

Grand Opening Ceremony March 2006

# Basic Process

- Pre Compost Process
  - Over Scales to tipping floor area for unloading
    - **<u>****LOAD CHECKING AND PULLING</u>**
  - Tipping floor to conveyor system
  - Bag breaker, Electro Magnet and sort stations
  - Screen
  - Overs pulled
  - Shredder/Mixer

- Composting Process
  - Loaded into vessels- compost 22-30 days
    - Electronic Computer monitoring for temperature etc.
    - Air controlled through a BIO FILTER
    - Leachate recirculated in closed system
  - Unloaded to curing area
  - Material then moved to landfill or market

JAY LOR

6

CAT

# LOAD CHECKING

- Mariposa updated program 2006-2007 uses following components
  - Education
  - Visual Observations
  - Physical Checking (Random Load Checking)
  - Consistency
  - Proper Unacceptable Wastes (materials) Handling
  - Documenting

# Education

- Public Education
  - Signage, Notifications, Flyers, School & Groups Facility Tours
  - Verbal information conveyed through program by staff
  - Education for Agencies and Businesses.
  - Newspaper
  - Radio
  - Alternatives- take it back programs, handlers etc. Events and Exisiting Programs
- Staff Training
  - Educating personnel is critical
  - Formal Training and routine “tailgate meeting” updates
  - Refresher Training
- Haulers
  - Notification to customers
    - Mariposa County is embarking on a campaign with Haulers 2007

- A Hazardous Waste -
Load Checking Program
Is In Effect.
This program is in accordance with state regulations governing waste disposal. Those attempting to dispose of hazardous waste shall be held accountable for its cleanup and transport to an appropriate hazardous waste disposal facility.
- HAZARDOUS WASTE -
This transfer station does not accept hazardous waste, including pesticides, herbicides, solvents, gasoline, paints, acids, caustic solutions or untreated medical waste.
NOTICE
It is a felony to illegally transport or dispose of hazardous waste.
Notice:
Persons using this facility do so at their own risk
Mariposa County
Dept of Public Works
Composting, Recycling
Center and Landfill
*Phone (209) 966-5165*
HOURS OF OPERATION
MONDAY 8:00 AM - 4:00 PM
TUESDAY CLOSED
WEDNESDAY CLOSED
THURSDAY 8:00 AM - 4:00 PM
FRIDAY 8:00 AM - 4:00 PM
SATURDAY 8:00 AM - 4:00 PM
SUNDAY 8:00 AM - 4:00 PM
CLOSED
TUE AND WED
CLOSED HOLIDAYS

WE CANNOT ACCEPT
HAZARDOUS MATERIAL,
OIL, OR FLAMMABLE
MATERIAL

# COUNTY of MARIPOSA

4639 Ben Hur Road
Mariposa, CA 95338
(209) 966-5356

DEPT. OF PUBLIC WORKS

Admin | Solid Waste
Airport | Facilities
Engineering | Fleet
Roads | Parks & Rec
Transportation

**Dana S. Hertfelder**
**Director**

## *RECYCLE YOUR ELECTRONIC AND UNIVERSAL WASTES*

*What should you do with your electronic-waste or universal wastes? Now that you can't throw it in the landfill what do you do?*

Due to Regulatory Changes from the State of California and for reducing potential environmental impacts, as of February 9, 2006 ***the following items are no longer accepted for disposal or in the garbage at the Mariposa County Landfill, but will be accepted for recycling and proper handling.*** **These items are considered E-Waste (Electronic Waste) or U-Waste (Universal Waste) and must be separate from your waste going into the landfill or composting facility!**

A sample list of items are hazardous in that they contain materials that have determined to be hazardous by the Department of Toxic Substances Control.

**Common Batteries such as AA, C, D AAA etc.**
**Fluorescent Tubes and Mercury Containing Lamps**
**Thermostats- Older Thermostats "Tilt Switch" Style**
**Electronic Devices- TV's Computers, VCR's, cell Phones, Radios Etc.**
**Electric Switches and Relays- pre 1972 Washing Machines, Freezers, electric space heaters, irons, ABS Brakes**
**Pilot Light Sensors-Stoves, Ovens, Dryers, Water Heaters and furnaces and space heaters**
**Mercury Gauges- barometers, blood pressure and vacuum gauges**
**Mercury Novelties- Greeting cards that play music when opened Athletic Shoes with flashing lights made before 1997**
**Mercury Thermometers**

**Non Empty aerosol cans**

The Mariposa County Landfill, Compost and Recycling Facilities at 5593 Hwy 49 N., Mariposa Ca., will accept the materials above from County Residents and Businesses for proper handling and recycling at current rate charges for each item respectively. The items must be separated from the garbage, as we can no longer dispose of the materials in the Landfill per the regulations. ***It is illegal for disposal of the materials in the garbage to the landfill***, ***but it is legal to collect the materials through the programs at the facilities***. Mariposa County is a Certified Covered Electronic Waste Collector. Mariposa County is a participant in the Certified Appliance Recycler program.

For appliances, the switches need not be removed, but the appliances need to be separated from the materials going to the landfill. Please simply keep the items listed above separate from the garbage you wish to dispose of in the landfill and the attendant will direct you to the proper location for placement of the materials.

If you have any questions about U-Waste or E-Waste, please ask the attendant at the facilities or contact the Mariposa County, Public Works Department, Solid Waste & Recycling Division at 209 966 7452 or the Landfill, Compost and Recycling Facilities at 209 966 5165.

# Free

# Household Hazardous Waste Collection Event Mariposa, Ca May 20, 2006

| Mariposa | Saturday 05/20/06 | 5593 Highway 49 (Landfill) |
|---|---|---|

We will accept various types of chemicals free of charge:
motor oil, oil filters, antifreeze, car batteries,
residential pesticides, pool chemicals,
paints (latex & oil based), other household chemicals.

Maximum Quantities Accepted Per Trip:

- ***20 gallons of used motor oil*** *OR*
- ***15 gallons OR 125 pounds of all other HHW***
- ***Limit 3 batteries per vehicle***

**It is illegal to transport more than the listed amounts. You may make more than one trip.**

No containers larger than 5 gallons will be accepted!

No businesses will be accepted at the one day collection events.

For further information call:
**723-4753 OR 381-1100**
**http://www.co.merced.ca.us**

***In Merced County HHW Permanent Collection Facilities and Certified Oil Collection Center (COCC) are open to the public year round***

Merced County Landfill
6040 N. HWY 59
Merced

Billy Wright Landfill
17173 S. Billy Wright
Los Banos

**Monday — Friday** 9:00 a.m. to 4:00 p.m.
**Saturday** 9:00 a.m. to 1:00 p.m.

**Event Time:**
**9:00 A.M. to 2:00 P.M.**

**Stay in your vehicle at all times. Walking in the HHW area is not allowed.**

FOLLOW THESE SIMPLE STEPS WHILE DROPPING OFF YOUR HHW:

1. PACK ITEMS IN CAR OR TRUNK SO THAT THEY WILL NOT SPILL
2. FOLLOW ENTRANCE, DRIVE ON PLASTIC
3. STAY IN VEHICLE,
4. OPEN YOUR TRUNK
5. SPECIALIST WILL UNLOAD YOUR VEHICLE
6. HAVE A GREAT DAY!!

# Staff Training

- Classroom
  - Regulatory Background
  - Common Sense
  - Public Relations/Education
  - Documentation
- Demonstrations
  - Expresses visually some of the problems that can occur with hazmat in loads
- Hands-On Physical
  - Proper handling of materials in checking
  - Proper tools and PPE to utilize

Used Oil Facts

# Visual Observations

- Consistent and persistent visual observations by spotters, operators, scale house employees.
- Visually Inspect the load
  - At the scalehouse, ask questions:
    - Where is the material from?
    - Do you have any hazardous materials such as paints, pesticides…
    - Notify the customer if there are any materials not allowed under the operating permit
- Notify spotter, tipping floor, tipping deck of the need for LOAD CHECK or Random Load Check.
- Notify the Customer in a courteous way

# Physical Checking

- Use appropriate PPE
- Visually inspect first
- Provide information to customer
  - Flyer or verbal – Make sure to clearly indicate the importance of the program as first and foremost for safety and then education
- Be sure to use proper tools such as a poker, litter pickers etc.
- Any material found to be handled in conjunction with material type, stored properly etc.

# Consistency

- Keep a method in place that works and keep using it!
- This keeps staff on track with program
- This keeps record format for reporting
- This keeps customers/public used to the system

# Proper handling of materials

- Hazardous? Handling and storage for disposal or recycling at a permitted facility
- Universal? Handling and storage for disposal or recycling to permitted facilities or handlers
- On site Storage lockers for transport
- Contractors? ECS Refining, Interstate Battery, Stericycle, Evergreen Oil…

sunnyside
acetone
Powerful, fast drying thinner for boat, auto body and epoxy resins.
NAPA
PREMIUM
PERFORMANCE

STOP
NGUISHER
FIRE
EXTIN

# Documentation

- Log the visuals
- Log and fill out full check for records
- Keep manifests and or bill of lading from contractors
- Log interval- Weekly, Daily, 3 times a week???
- Transport in compliance with volumes, by material type
- Put Logs in a binder or in file with RFI or permit as required
- Send to LEA as required

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**Dana S. Hertfelder**
**Director**

**SOLID WASTE LOAD-CHECKING DATA SHEET**
(please provide as much information on this sheet, as possible)

1. Date: _____ Time: _____

2. Hauling Firm or Vehicle Owner: _____

3. Driver's Name: _____

4. Telephone Number: (if possible) _____

5. Vehicle License Plate: _____

7. Source of Waste: _____

8. Observation Notes/Illegal Waste Types:

_____

_____

_____

2. Handout Provided to Customer? Notified of Events?

_____

9. Disposition of Waste:
   _____ deemed acceptable
   _____ returned to generator
   _____ directed for reuse
   _____ other: _____

Driver's Signature: _____

Employee's Signature: _____

*Solid Waste & Recycling Division*
*Phone (209) 966-5165*
*Fax (209) 966-7453*

landfill@mariposacounty.org

*Mariposa County*

*Recycles!*

*Help Keep Mariposa*
*Clean and Proud!*
*Reduce, Reuse and Recycle*

www.mariposacounty.org

# THANK YOU!
# QUESTIONS?

Mariposa County Public Works
Solid Waste & Recycling Division
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landfill@mariposacounty.org