Latex Paint Recycling

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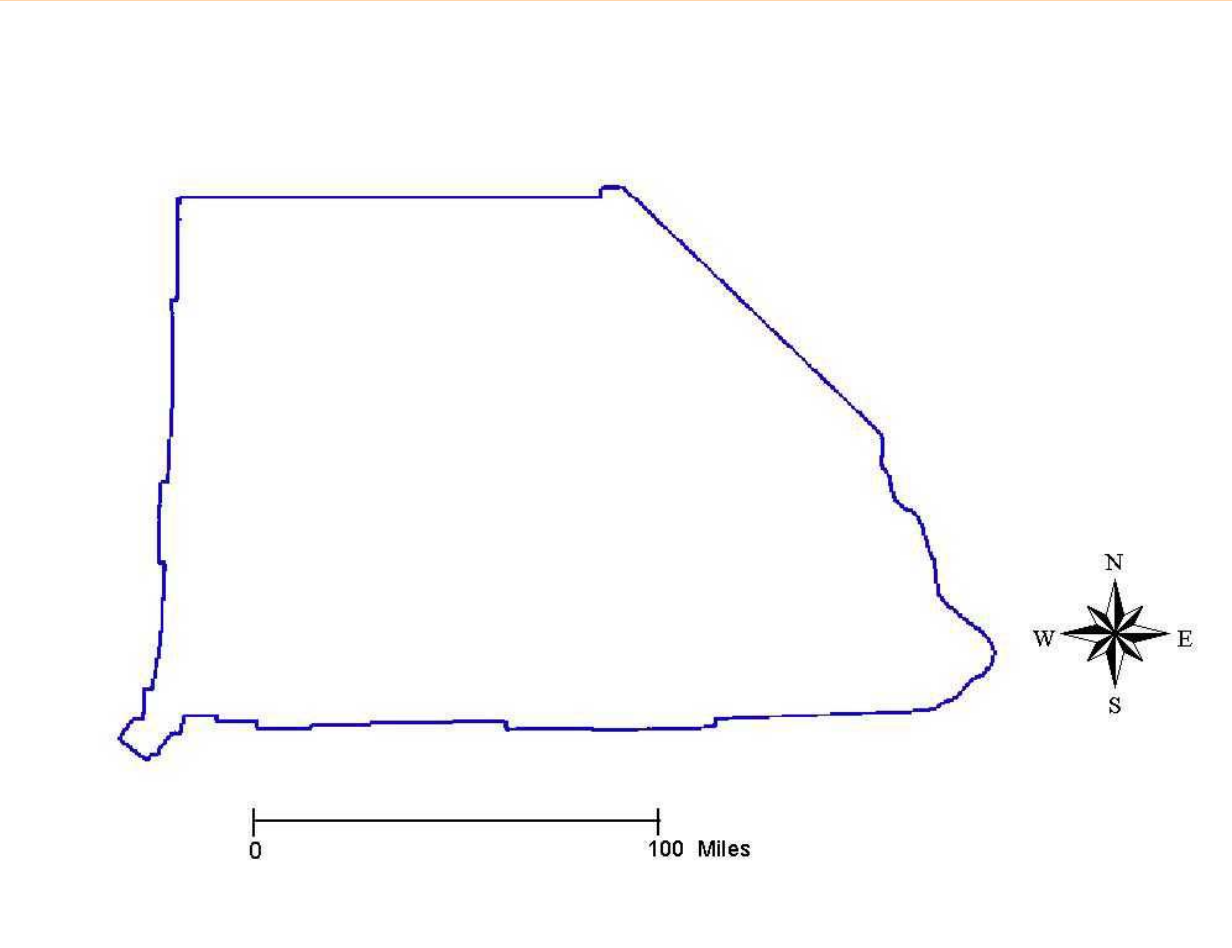
San Bernardino County HHW Program

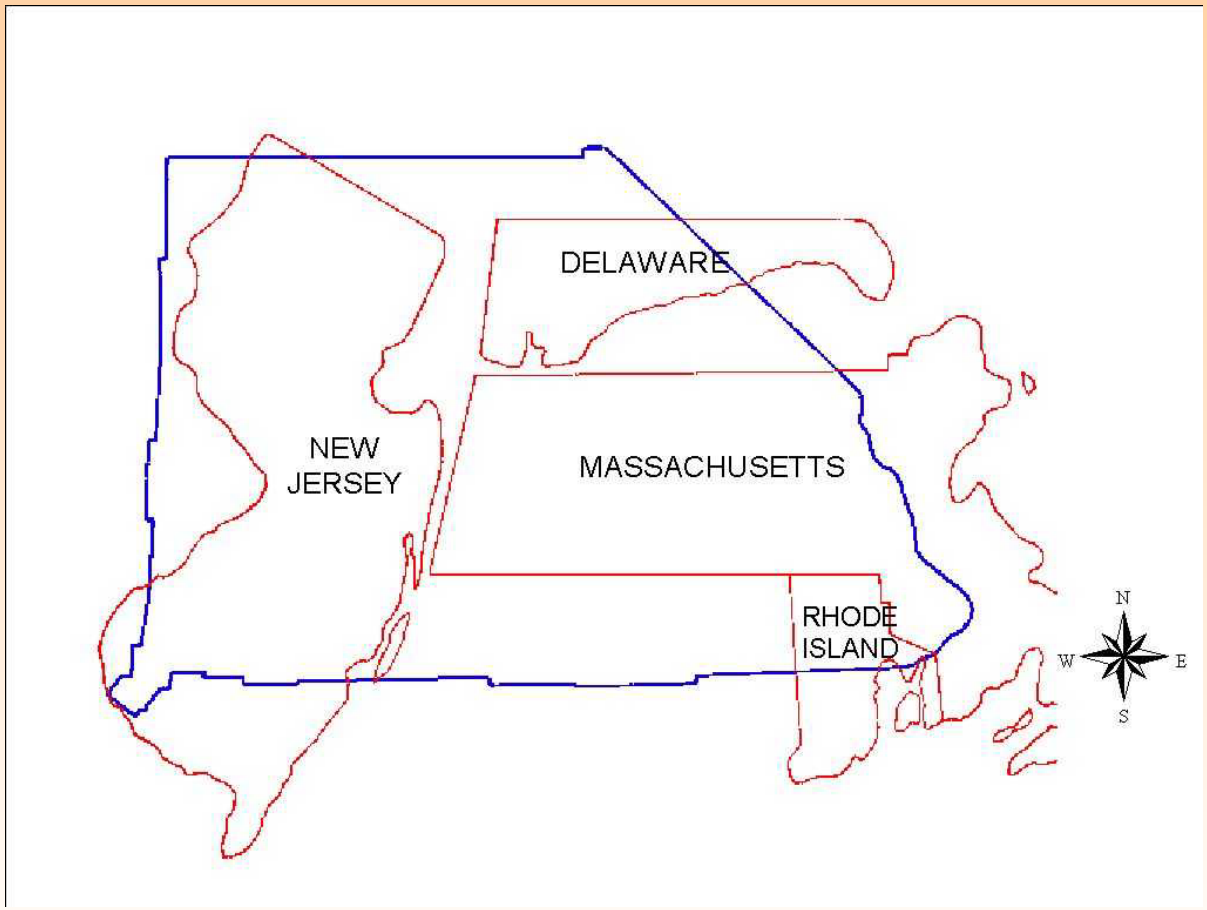
Introduction

- San Bernardino County
  - Over 20,000 square miles in size
  - 1.7 million population
  - Could fit four states inside its boundaries

San Bernardino County



San Bernardino County



Operations

- Regional between County and 23 cities
- E-waste, CESQG and Material Re-use
- Latex paint recycling and distribution
- $2.3 million Budget
- Central vs. Satellite facilities

Waste Volume

- 2.3 million pounds waste
  - 31,014 participants and 141 CESQGs
- Latex paint was 15%, (340,048 pounds)
- Oil base paint was 13%
  - Does not include amount waste exchanged
    - Approximately 2.5%

Latex Paint Cost

- $160 per 55-gallon drum
- Approximately 30 cents per pound with drum
  - 340,048 X .30 cents = $102,014
- Does not include collection, bulking, transportation or overhead

Historic Relationships

- Program distributes paint for graffiti abatement
  - Cities and non-profit Organizations
- Program purchases paint @ $9.40 per 5-gallon bucket
  - Ugly used buckets
- Recycling one 55-gallon drum increases to $263

Historic Problems

- Demand from Cities and non-profit agencies depends on the aggressiveness of taggers
  - Leads to overstocking and/or under-stocking
- Negative impact on customer service
- Spoilt paint

Birth of on-Site Recycling Project

- MLA project
- Buy-in from key staff
- Visit to Kern County
- Purchase equipment
  - $2090
- Labor and Equipment
  - $6,242

Operations-15 Gallons/125 Pounds?

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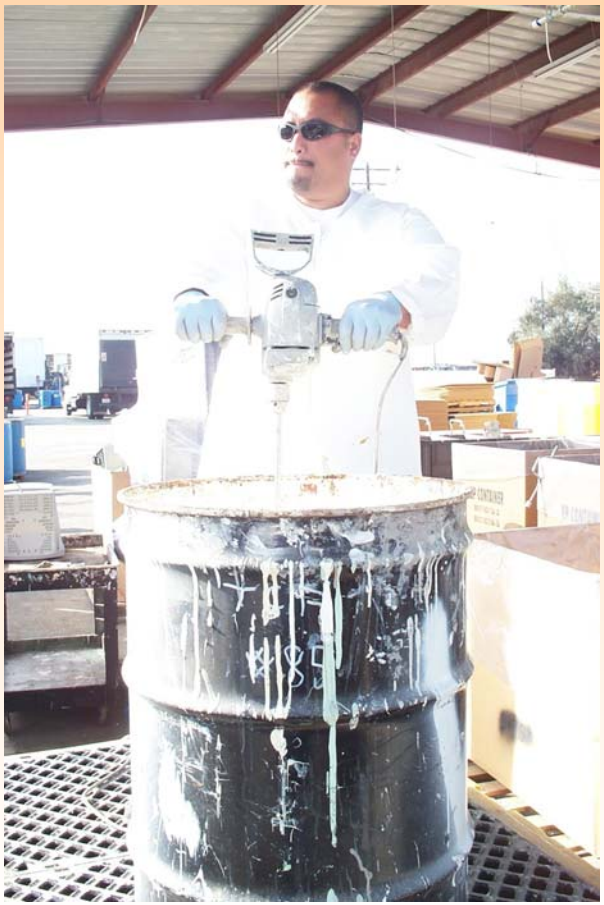
Bulking paint

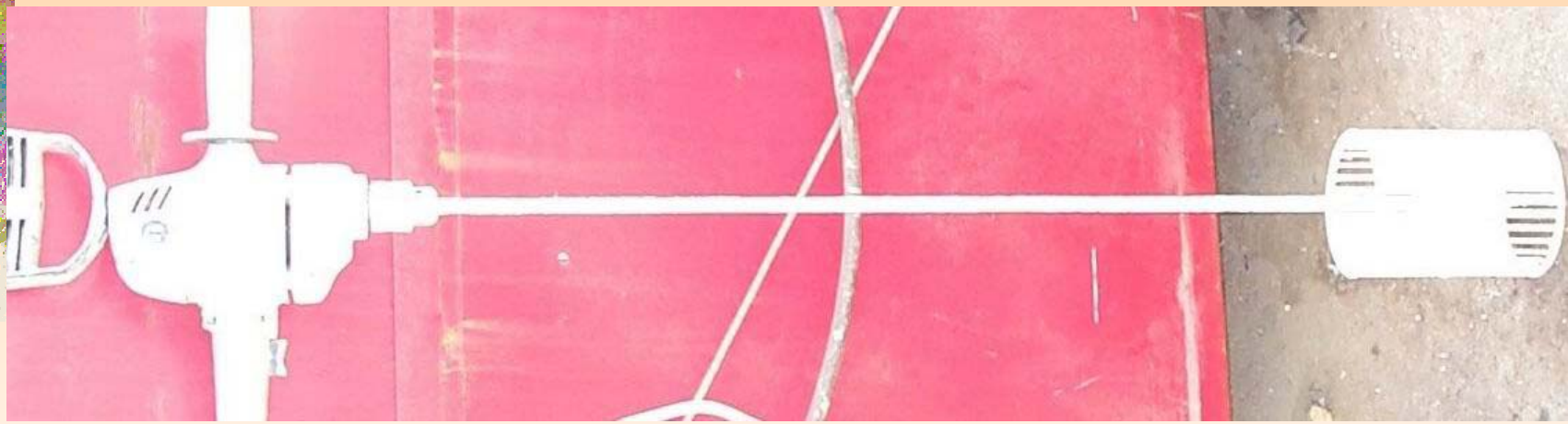
Bulking paint

Paint Can Crusher

Mixing



Paint Mixer



Paint Dispensing

Paint Strainer

Result

- Distributed 4, 475 gallons
- One year cost saving of $13,018
- Improved customer service
- No complaints
- Word of mouth advertisement
- MLA Recognition
- Disadvantage
  - Only 55 gallons of same color

MLA Letter

Date: **January 7, 2004**

To: **Icilda Wallace**

From: **Gloria Affatati, MLA Administrator**

Subject: **Recommendation for 2004 NACo Achievement Award**

The MLA Administration Team has reviewed all 2002 MLA final projects. The team was impressed with the quality and content of your project. We believe that your project would be a good candidate for consideration for the 2004 NACo Achievement Award. We encourage you to submit an application. We believe that your project meets all the parameters for consideration. An application along with the information sheet explaining the application parameters, eligibility standards, criteria, etc. is enclosed with this letter. Because the application is time sensitive, you and your department will need to submit within the next two weeks.

Some Customers

City of Victorville Fire Dept.	875
City of Hesperia Public Works	340
Bloomington Historic Society	90
Rancho Cucamonga Flood Control	100
San Bernardino Flood Control	105
True Way Baptist	100
Old Baldy Boys and Girls Club	100
Los Padrinos-City of San Bernardino	425
City of Montclair-Code Enforcement	135
Mt. Calvary Lutheran Church	50

Nicely Screened Paint Bucket

Ready for Distribution

Bloomington Garage

Recycling Contractor

- Program's Recycling Contractor is still making money
- Approximately $100,000 last fiscal

The Future

- Refine the process
  - paint equipment
  - 100-200 gallons of same color
  - Improved ergonomics and facility
  - Getting County vendors to use the paint
  - Fire Department on board
  - producer responsibility
    - You make it, you take it