Regulatory Context and Enforcement for Waste Tires in California

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Waste Tires in California

- 35,310,563 total registered vehicles in California

- Estimated 45.5 million waste tires managed per year
Waste Tires in California

Public Health & Safety Concerns

- Environmental degradation
  - Fire
    - Pyrolytic oil
    - Air quality

- Vector and disease control
Waste Tires in California

Environmental degradation
Waste Tires in California

Environmental degradation
Waste Tires in California

2017 Year to Date West Nile Cases:

- Human
  - 258 reported
  - 12 dead
- Horses
  - 17 reported
  - 0 dead
- Birds
  - 449 reported
  - 449 dead
Zika Virus:

- As of October 6, 2017, 596 travel-associated cases
- Completed pregnancies: 128
  - With defects: 8
Waste Tire Flow

Where do tires come from and where are they going?
Waste Tire Flow

Tires are removed from a vehicle by a waste tire generator
  – many types of businesses

Tires are stored at generator’s business until picked up by a waste tire hauler

Hauler then transports tires to:
  – Sorting location
  – Approved End Use Facility
    • Processing facility
    • Cement Manufacturer
    • Landfill
  – Export
Waste Tire Flow

- **Waste tire generation**
  - Good, usable tires
    - Tires resold to public
  - Bad, non-useable tires
    - End use facility (Processor, Kiln, Landfill, Export)
- **Tire Hauler**
- **Sorting Location**
Waste Tire Program

History

- California Tire Recycling Act of 1989
  - Implementation of fee on new tire purchases
  - Funding for program oversight and grants
- SB 876 (2000) strengthened act, raised fee
  - $1.00 per new tire sale
- AB 1803 (2006) raised the fee further
  - $1.75 per new tire sale
    - $1.00 goes to CalRecycle
    - $0.75 goes to Air Resources Board
Enforcement Program Framework

Permitting & Financial Assurances

Resources for Cleanup of Illegal Piles

CalRecycle

Routine Inspections & Enforcement

Partner with Highway Patrol

Storage Regulations Limit Pile Sizes and Enforce Set Backs

Track Transportation Hauler Registration & Manifesting

Grants & Training for Local Inspection Program

Video Surveillance of Illegal Dumping
Program Framework

Permitting:

- **Minor Waste Tire Facility**
  - Storage of up to 4,999 waste tires
  - Fire control measures
  - Vector control measures
  - Other measures to protect public health and safety

- **Major Waste Tire Facility**
  - Storage of 5,000 or more waste tires
  - Fire control measures
  - Vector control measures
  - Other measures to protect public health and safety
  - Closure plan and financial assurances
Program Framework

Exemptions and Exclusions from permit:

- Cement Manufacturing Plant
- Beneficial Reuse Projects
- Agriculture
- Tire Dealer – up to 1,500 waste tires
- Auto Dismantler – up to 1,500 waste tires
- Tire Re-treading – up to 3,000 waste tires
- Collection location – up to 4,999 waste tires
Program Framework

Tracking Transportation of Waste Tires:

- Waste tire generators must prove legal disposal
  - Transport 9 or less waste tires at a time
  - Contract with waste tire hauler

- Waste Tire Hauler Business
  - Register Vehicle(s) with CalRecycle
  - Document all pickup and deliveries
    - Comprehensive Trip Log Manifest
    - Submit manifest to CalRecycle
Storage Regulations:

- Pile size threshold limit
  - 499, 1500, 3000, 4999, >5000

- Minimum standards, >500 tires
  - Outdoor requirements
    - 10 foot setback from property lines and buildings when pile is <500
    - 50 foot setback from property lines and buildings when pile is >500
    - 40 feet between individual piles and flammable materials
  - Indoor setback requirements
    - Piles can not exceed 50 feet in any direction
    - Aisle widths, fire lanes
    - Distance from ceiling 18 inches to 24 inches (sprinklered, nonsprinklered)
Routine Inspections and Enforcement:

- Permitted tire facilities
- Tire dealers
- Mechanics
- Auto body
- Trucking fleets
- Warehouses
Routine Inspections and Enforcement:

- Local & State Tire Enforcement Agent
  - Inspections
  - Business Education
  - Prompt and Progressive Enforcement

- Resources for tire pile cleanup
  - Local Conservation Corps.
Program Framework
Enforcement

Inspections confirm compliance with regulations:

- Storage limits and storage requirements
- Records retention of manifests
- Hauler vehicle inspections

Noncompliance leads to escalated enforcement process:

- Notice of violation
- Clean Up and Abatement order
- Revocation of registration/permit
- Penalties
Enforcement

Major Waste Tire Processor
Enforcement

Major Waste Tire Processor
Enforcement

Major Waste Tire Processor
Enforcement

Major Waste Tire Processor
Resources

CalRecycle website:
http://www.calrecycle.ca.gov/Tires/Overview.htm

Registered vehicles: California Dept. of Motor Vehicle report Dec. 2016,
https://www.dmv.ca.gov/portal/wcm/connect/5aa16cd3-39a5-402f-9453-0d353706cc9a/official.pdf?MOD=AJPERES&CONVERT_TO=url&CACHEID=5aa16cd3-39a5-402f-9453-0d353706cc9a

Resources

West Nile Virus: California Department of Public Health West Nile Virus Website, http://www.westnile.ca.gov/

Zika Virus: California Department of Public Health Weekly Update on Number of Zika Virus Infections in California October 6, 2017, https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/TravelAssociatedCasesofZikaVirusinCA.pdf