

WHAT'S NEW IN COLORADO?

WASTE TIRES AND WASTE GREASE - A REGULATORY APPROACH

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<http://www.cdphe.state.co.us/hm>

Presentation Objectives

- Introduce Colorado's waste tire and grease situations
- Overview of the two new House Bills that address waste tires and grease and their requirements
- Overview of the new Waste Tire Regulations
- Overview of the development of the new Waste Grease Regulations

Colorado's Waste Tire Situation

- Approximately one waste tire per person is created each year in Colorado
 - ▣ ~4,830,000 waste tires generated in CO during CY 2010
 - ▣ ~290,000 waste tires brought into CO from other states during CY 2010
- ~62 million waste tires stored at waste tire facilities in 2010
- Recycled 93%, or ~4,480,000 of the tires generated in 2010
 - ▣ Recycled by:
 - ▣ Burning as tire derived fuel
 - ▣ Use as alternate daily cover
 - ▣ Rubber crumb for roadways, playgrounds, and sports fields

Waste Tire Hauler & Generator Issues

- **Illegal Waste Tire Haulers**
 - Disposal of tires illegally
 - Ditches
 - Vacant lots
 - On own property
 - In dumpsters
 - At tire retailer facilities
 - At public storage facilities
- **Waste Tire Generators**
 - Use of Illegal Waste Tire Haulers
 - Hauling their own waste tires and illegally disposing of them
 - Not securing their waste tires
 - Allowance of anyone to sort through them and take
 - Disposal of waste tires in the dumpster
 - Allowing waste tires to pile up at their facility







TIRE MOUNTAIN, INC., HUDSON, COLORADO

TIRE FIRE JUNE 10, 1987, CAUSED BY LIGHTNING





TIRE MOUNTAIN, INC., HUDSON, COLORADO

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House Bill Passed by the CO Legislature

- HB 10-1018 –Waste Tire Facilities & Waste Tire Haulers.
 - Moved waste tire grants & rebates program from Dept of Local Affairs to CO Dept Public Health & Environment
 - Set up a “cradle-to-grave” / “cradle-to-cradle” program for tracking waste tires; Solid & Hazardous Waste Commission promulgate rules
 - Set up the Waste Tire Advisory Committee to advise CO Dept Public Health & Environment and S&HW Commission

Waste Tire Requirements

- New requirements effective April 1, 2011
 - Waste Tire Hauling
 - Waste Tire Facilities
 - Tire Retailers, Wholesalers and Fleet Service Facilities
 - Waste Tire Monofills (landfill for tires only)
 - Waste Tire Processors and End-Users
 - Waste Tire Collection Facilities
- Compliance Bulletins and Regulations Available
 - www.cdphe.state.co.us/hm/wastetires/

Waste Tires Regulations Matrix

	Waste Tire Haulers (>10 tires/load)	Retailers/ Wholesalers/ Fleet Service Facilities	Monofills	Processors/ End-Users	Collection Facilities
“Waste Tire Facility”	No, if tires stored < 90 days	Yes	Yes	Yes	Yes
Registration	Yes	Yes	Yes	Yes	Yes
Decal	Yes	Yes	Yes	Yes	Yes
Manifest	Yes	Yes	Yes	Yes	Yes
Storage Limits	Yes, <90 days	Yes, up to 999 tires	Yes, must arrange processing of >75%/yr	Yes, must process >75%/yr	Yes, up to 7500 tires
Fire Prevention. Training, Fire Fighting Plan	No	No	Yes, unless CD at time of registration	Yes	Yes
Inventory Reduction Plan	No	No	Yes	No	No
Convert 75% of inventory	No	No	Yes	Yes	No
Operations Plan	No	No	Yes, unless CD at time of registration	Yes	Yes
Surety Bond/Financial Assurance	Yes	No	Yes	Yes	Yes
Annual Report	Yes	No	Yes	Yes	Yes
Closure/Post-Closure	No	No	Yes	Yes	Yes

Waste Tire Hauler Decal



Waste Tire Facilities Decal



For CDPHE Use Only:

Decal #: _____

Waste Tire Facility
Certificate of
Registration #: _____

Expires: _____

Colorado Department
of Public Health
and Environment



For CDPHE Use Only:

Decal #: _____

Waste Tire Facility
Certificate of
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Expires: _____

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A “Tire”...Defined

- Tire definition – means a tire for any passenger vehicle or truck weighing less than 15,000 lbs, and for any truck, truck tractor, trailer, or semitrailer weighing more than 15,000 lbs.
- Exemptions:
 - Off the road vehicles (e.g., ATVs, mining equip)
 - Recapped or reprocessed tires
 - Farm vehicles

A “Waste Tire”...Defined

- Waste Tire definition – means a tire that is no longer mounted on a motor vehicle and is no longer suitable for use as a tire due to wear, damage or deviation from the manufacturer’s original specifications.
 - ▣ Includes:
 - Tires that are not organized for resale by size in a rack or stack in a manner that allows for the inspection of each individual tire
 - A repairable tire
 - A scrap tire
 - An altered waste tire
 - A used tire

Note: A waste tire does not include a tire-derived product, crumb rubber or an exempted tire

The Dilemma - Waste Tires or Not?















Regulatory Compliance / Enforcement Responsibility

- Partner with local counties, municipalities and local governing bodies
 - ▣ Local Health, Law Enforcement, Code Enforcement
- State – Responsible for waste tire registration, compliance assistance and regulatory compliance
- Locals – Provide regulatory compliance and assistance

Waste Tire Pile Cleanup Assistance

- Illegal waste tire cleanup program for counties and municipalities
- Incentives for purchasing and using recycled waste tires in public projects
- Law Enforcement & Fire Prevention grants
 - ▣ Grant program in development stage



Illegal Waste Tire Pile Cleanup Grant Program

- Program is specific to illegally dumped or abandoned waste tires
 - ▣ State or local governing bodies determine what's illegal
- Statutorily required to develop abatement list
 - ▣ Cleanup priority based on tire pile criteria
 - ▣ Zero applicants...currently
 - ▣ www.cdphe.state.co.us/hm/wastetires/abatelist.htm
- June 30, 2012 deadline
 - ▣ Let us know of these in your area!
 - ▣ Spread the word, finite funds



Grant Program

Contact Information

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Waste Tire Summary

- Colorado waste tire situation
- New waste tire regulations in response to House Bill 10-1018
 - ▣ Partnership with local governments regarding the new regulations
- Colorado illegal waste tire pile problem
 - ▣ Illegal Waste Tire Cleanup Grant Program
 - ▣ Symbiotic governmental approach to abatement

Colorado's Waste Grease Situation

- Coming soon...





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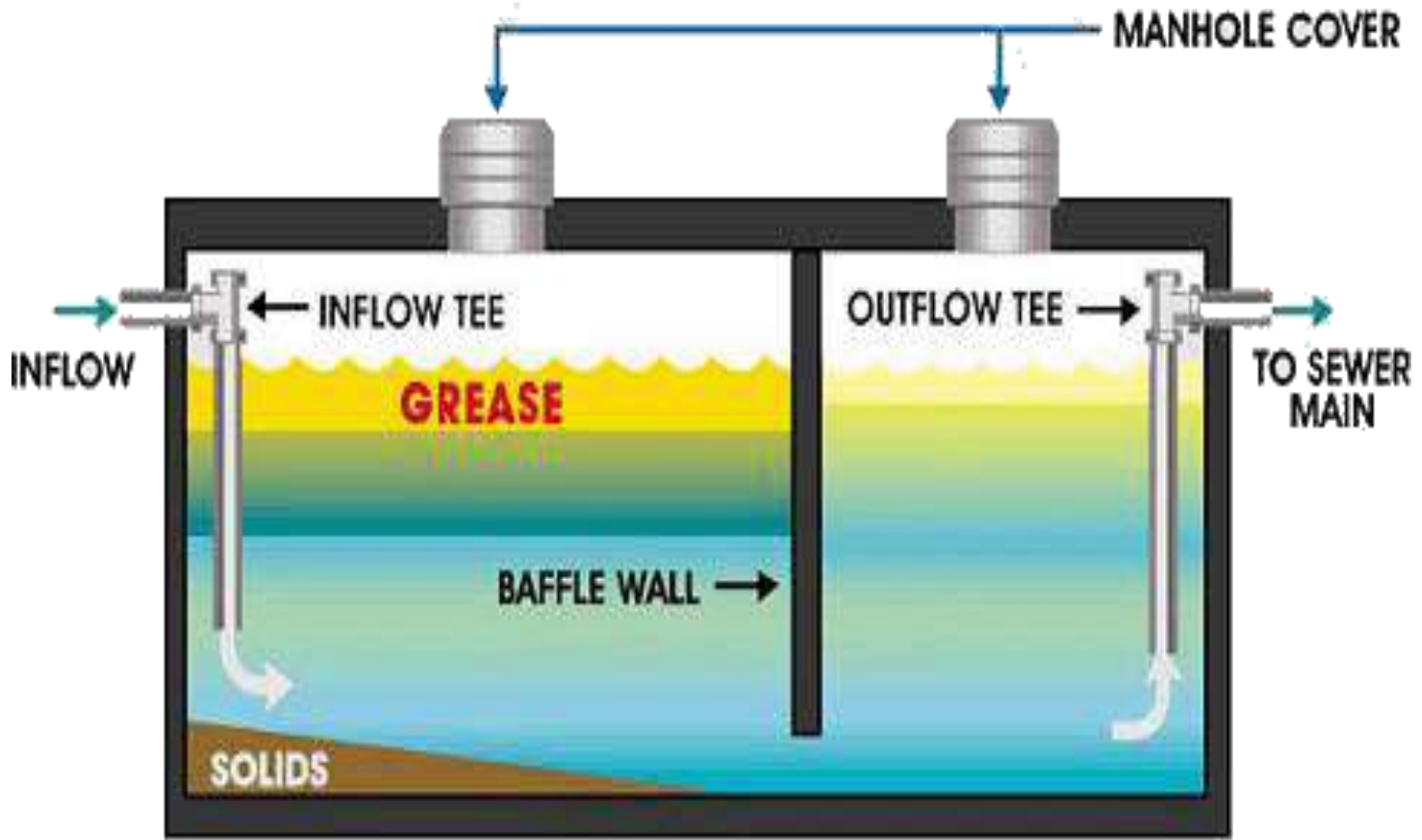
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CAST IRON WORKS



GREASE INTERCEPTOR

(Drawing not to scale)



SIDE VIEW









House Bill Passed by the CO Legislature

- HB 10-1125 –Waste Grease Transporters, Facilities, and Personal Users of Waste Grease
 - ▣ Sets up management construct for tracking waste grease (trap grease & yellow grease); S&HW Commission to promulgate regulations and fees
 - ▣ Sets up requirements for personal use of waste grease
 - ▣ Generally exempts restaurants and POTWs

Waste Grease Regulations

- Stakeholder Processes
 - Website (www.cdphe.state.co.us/hm/wastegrease)
 - Stakeholder Meetings –
 - May 19, 2011
 - June 16, 2011
 - July 14, 2011
 - July 27, 2011
 - August 18, 2011
 - September 1, 2011
 - September 15, 2011

Stakeholder Processes

□ Broad Participation

- Waste grease recyclers
- Biodiesel producers
- Grease trap pumping & service companies
- Wastewater treatment & pre-treatment facilities
- City & County governing bodies
- CDPHE WQCD
- Others

□ Discussion Topics

- Definitions
- Registration
- Manifest
- Decals
- Fees
- Regulations
- Statement of Basis and Purpose

Waste Grease Regulations

- ~20 page rule
- Applicability
 - ▣ Waste Grease Sources
 - ▣ Waste Grease Transporters
 - ▣ Waste Grease Facilities
 - ▣ Personal Use of Waste Grease as Biofuel
 - ▣ Personal Use of Waste Grease Other than For Use as Biofuel

Waste Grease Regulations Matrix

	Waste Grease Source (e.g., restaurant)	Waste Grease Transporter (Registrant)	Waste Grease Facility (Registrant)	Personal Use of Waste Grease as Biofuel	Personal Use of Waste Grease, Other Than as Biofuel (Registrant)
Registration	No	Yes	Yes	No	Yes
Fee	No	Yes	Yes	No	Yes
Decal	No	Yes	Yes	No	No
Manifest	No	Yes	Yes	No	No
Financial Assurance	No	Yes	Yes	No	No
Annual Report	No	Yes	Yes	No	No
Convert 100% of Inventory	No	No	Yes	No	No
Closure/Post Closure	No	No	Yes	No	No
Store/Possess Waste Grease	Yes, Temporary	Yes, <5 days	Yes, Comply with Transfer Station Regulations or obtain a CD if do not process or convert waste grease	Yes	Yes, <165 gal at a time
Haul Waste Grease	No	Yes, Unlimited	No	Yes, Unlimited	Yes, <55 gal at a time
Written Permission to Take Waste Grease From a Registrant?	N/A	N/A	N/A	Yes	Yes

Waste Grease Summary



- Colorado waste grease situation
- New waste grease regulations in response to House Bill 10-1125
- Overview of the development of the new Waste Grease Regulations

WASTE TIRES AND WASTE GREASE

CONTACT INFORMATION

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