



LOSS OF TDF MARKET

OR WHY IS THERE AN INCREASE IN TIRE PILES AT PERMITTED FACILITIES?

Waste Tire Working Group
December 3, 2013

◎ The Problem:

- Increase in tires at registered facilities:
 - Processors pile up tires
 - Exceed bond
 - Decreasing fire lanes
 - NOV's issued
 - One Agreed Order signed



Site #1:

- King Tire Recycling Fire:
 - \$100,000 Bond
 - Cabinet removed 1,086,721 PTEs
 - 558,381 used by landfill owner in construction
 - 528,340 disposed due to contamination
 - Cost Waste Tire Trust Fund \$649,050
 - Cost Hazardous Waste Management Fund \$298,402
 - Personnel cost General Fund \$14,733
 - Total taxpayer cost \$962,185 or \$0.89 per PTE



“Employees of King Tire Recycling work to move equipment away from a blaze which broke out in the processing facility” according to Janie Slaven of *the McCreary County Record* who took this picture that appeared in the August 23, 2012 edition.





The cabinet contractor PECCO, Inc. places cover soil on the waste tires (EEC photo).



Before and after clean-up at King Tire (EEC photo).



Site #2:

- FTD has approximately 1.9 million PTEs in Carroll County
- Bond is for \$10,000
 - Clean up costs currently about \$2 M
 - If fire occurs, cost to remediate could exceed \$3 M



Site #2:

- Agreed Order signed July 8, 2013
- FTD must move:
 - 1.0 M PTEs by Jan. 8, 2014
 - Remainder by July 8, 2014.



Site #3:

- JW&S Enterprises has approximately 214,000 PTEs accumulated in Clay County
- Bond is \$10,000
 - Clean Up costs could exceed \$300,000



⦿ Site #3 JW&S (Con'td):

- Water in OTR
 - Snake in water



Site #4:

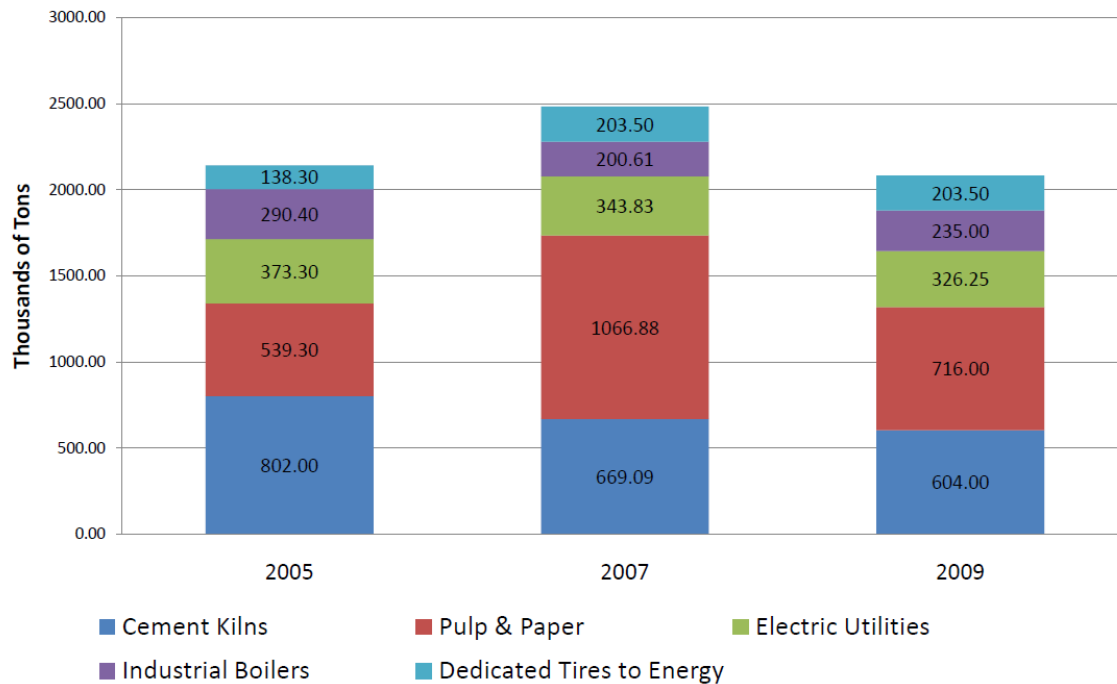
- Tire Recycling Co. (Daviness County):
 - \$10,000 Bond
 - 2nd NOV dated 11-5-2013
 - About 50,000 PTEs on-site
 - Reduce # tires to 10,000 or less



U.S. TDF Market Trend



U.S. Tire-Derived Fuel Trends 2005 - 2009



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-16% from 2007 to 2009

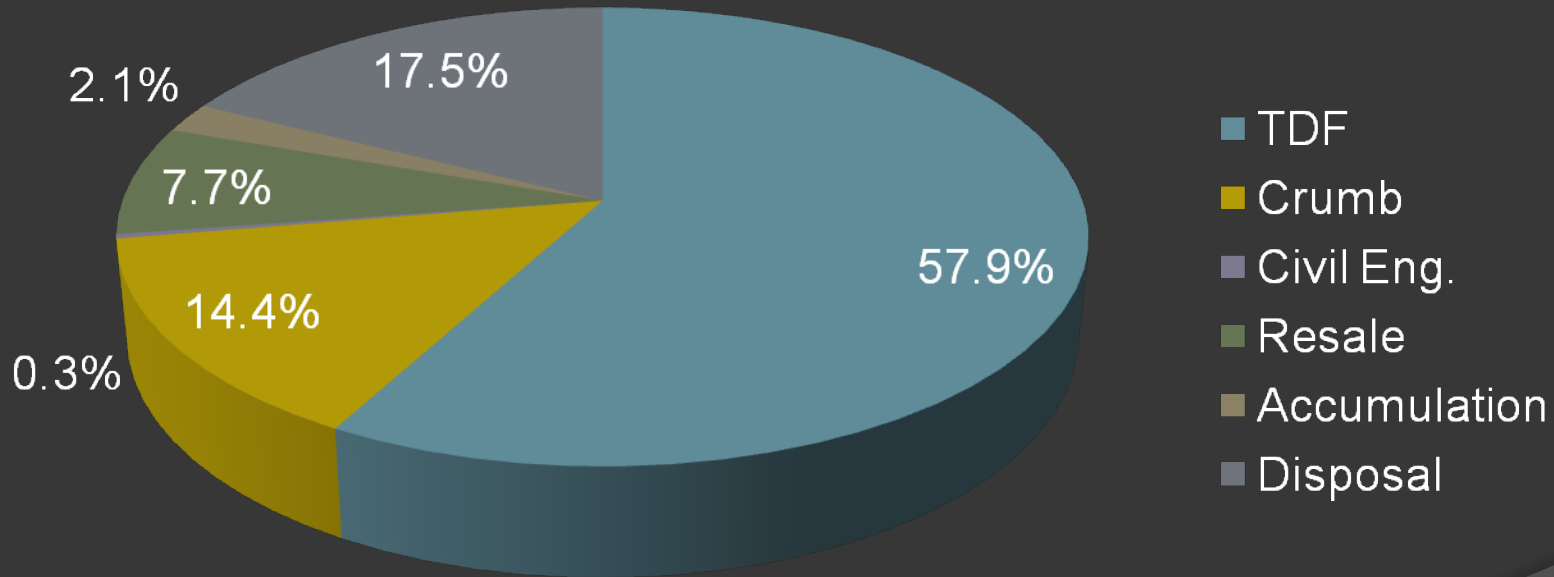
CY 2012 KY Markets



Kentucky Waste Tire Markets (Tons)								
	Recycled				Subtotal	Storage	Disposal	Total
	TDF	Crumb	Civil Eng.	Resale				
In-state	19,960	3,735	0	3,850	27,545	1,025	8,695	37,265
Out-of-state	0	0	171	0	171	0	0	171
Amnesties	8,850	3,450	0	0	12,300	0	0	12,300
TOTAL	28,810	7,185	171	3,850	40,016	1,025	8,695	49,736
Percent	57.9%	14.4%	0.3%	7.7%	80.5%	2.1%	17.5%	100.0%

CY 2012 Markets

2012



- Cabinet submitted letter to PSC in support of East Kentucky Power Cooperative (EKPC) use for fuel adjustment clause for possible TDF use
- EKPC could use 1.4-2.8 M PTEs per year based on 2-4% TDF
- EKPC averaging 1.2 M currently at start-up



2011-2014 TDF Market

In-State TDF Use (PTEs)			
Company	2011	2012	2014 (est.)
Kosmos/CEMEX	1,116,800	1,295,000	1,295,000
OMU	358,000	362,000	362,000
NewPage	218,200	410,000	410,000
EKPC			850,000
TOTAL	1,693,500	2,067,000	2,917,000

2012: 72% In-state
28% Out-of-state
2014: 101% In-state



⦿ Conclusions:

- In-state market is increasing
- National market decreasing

⦿ Recommendations:

- ⦿ Continue enforcement action
- ⦿ Work with local officials including fire departments

Loss of TDF Markets

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Loss of TDF Market

- Questions?
- For more info & references see “2012 Kentucky Waste Tire Program Report” at <http://waste.ky.gov/RLA/Waste%20Tires/Pages/default.aspx>

