



**Jasper/Newton/Sabine Counties
Local Emergency Planning Committee**

P.O. Box 2030

Buna, Texas 77612

MINUTES OF MEETING

September 15, 2014

A Special Meeting of the Jasper/Newton/Sabine Emergency Planning Committee was held at the Jasper County Sub-Courthouse in Buna, Texas at 2:00 PM on Monday September 15, 2015.

The following agenda items will be discussed, considered and action taken as appropriate:

1. Call to order and establish quorum: Quorum established and meeting was called to order by Chairperson Billy Ted Smith.
2. Welcome and Introduction of Members
3. Adoption of Meeting Minutes of last meeting: The minutes were read and approved on a motion by Olen Bean and seconded by Joe Wilkinson. Motion carried without opposition.
4. Mr. David Bierling of the Texas Transportation Institute gave a report of the HMAP Commodity Flow Study to LEPC members Jasper-Newton-Sabine Counties. He noted an increase above the state average in the hazardous materials trucks in Jasper County (from 2009 study). This is probably due to regional/local petroleum. Final report should be coming within the next month.
- 5 Discussion of proposed new Notification System for Jasper County. Tabled
- 6 Report on Incidents for the past two months: None reported to committee.

- 7 Training and Exercise Opportunities: Several training available in area reported.
- 8 Discussion on CAMEO, MARPLOT,ALOHA and CAMEO CHEMICALS: Tabled
- 9 Discussion on Texas Tier II Facilities: No reports this past month.
- 10 Discussion of US DOT Emergency Restriction/Prohibition Bakken Crude Oil Notification - Kansas City Southern Railroad
- 11 Discuss next meeting date of LEPC: Should be in October.
- 12 Being no further business, meeting adjourned on motion by Olen Bean and seconded by KK Lloyd. Motion carried.



Billy Ted Smith

Chairperson

LEPC

Hazardous Materials Transport in
Jasper, Newton, & Sabine Counties,
Texas

David Bierling, PhD
Associate Research Scientist
Texas A&M Transportation Institute

September 15, 2014

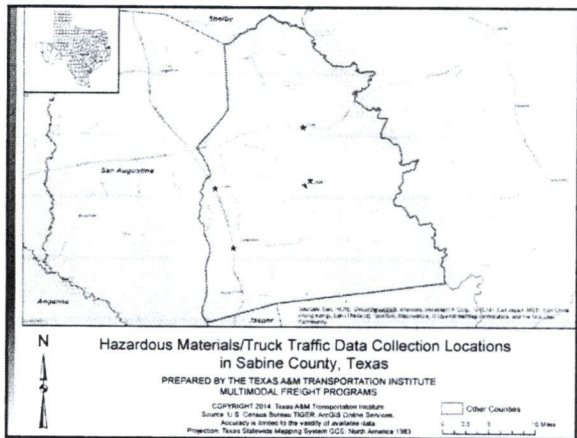
2014 project

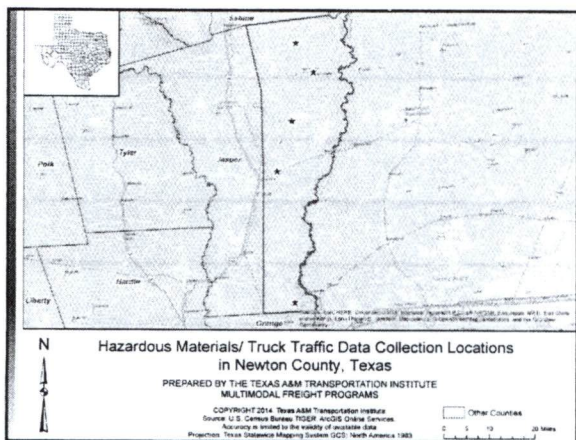
Jasper, Newton, and Sabine Counties were awarded a \$30,000 Hazardous Materials Emergency Preparedness (HMEP) Grant for a HazMat commodity flow study. The project was funded through Texas Division of Emergency Management. Jasper-Newton-Sabine Counties LEPC and TTI provided in-kind project match.

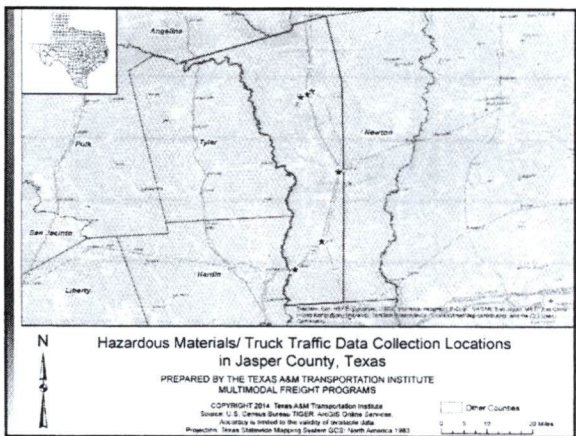
What is a commodity flow study?

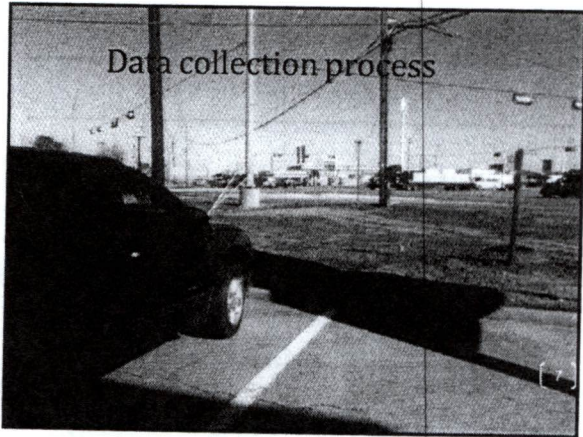
A HazMat commodity flow study (CFS) looks at where, when, how, and what kinds of hazardous materials are transported within or through a jurisdiction or area.

Jasper County last conducted a CFS back in 2009, but this did not include Sabine or Newton Counties.









Selected Summaries

Total Truck Traffic Count Averages (8 a.m. to 5 p.m.)

Location	Estimated Daytime Trucks
US 96, Jasper and Pineland/Bronson	500-600
US 96, Buna	425
US 190, Jasper	500-600
TX 21, near Milam	325
TX 87, Hemphill/Milam	150-175
TX 87 & TX 12, near Deweyville	450-475
US 190, Newton & FM 382, Kirbyville/Beakwood	310

HazMat Truck Traffic Count Averages (8 a.m. to 5 p.m.)

Location	Estimated Proportion of Placarded Trucks
US 96 and TX 63, Buna	12-15%
US 96, Jasper and Pineland/Bronson	6-10%
US 190, Jasper and Newton	6-8%
TX 63	6-10%
FM 382, Pineland & Hemphill	6%

Most frequent placard IDs

Placard	Count	% of Placarded	Hazard Class	Description/Name
1267	157	32.57%	3	Petroleum crude oil
1075	73	15.15%	2.1	Petroleum gases, liquefied or Liquefied petroleum gas
1209	44	9.13%	3	Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol
1993	30	6.22%	3	Flammable liquids, n.o.s.; Compounds, cleaning liquid; Compounds, tree killing, liquid or Fuel Oil (No. 1, 2, 4, 5, or 6); Combustible liquid, n.o.s.
Flammable	12	2.49%	3	Flammable liquids
1024	11	2.28%	8	Sulfuric acid with more than 51 percent acid
1992	10	2.07%	3 (6.1)	Flammable liquids, toxic, n.o.s.
Non-flammable gas	8	1.66%	2.2	Non-flammable gases
2810	6	1.24%	6.1	Toxic, liquids, organic, n.o.s.; Compounds, tree killing, liquid or Compounds, weed killing, liquid

Special hazards - TIH

Placard	Material Description	Class	2012		Observation Location
			ERG #	Count	
2810	Toxic liquids (liquids in bulk), if expanded, the boiling liquid or vapors may cause severe injury or death	4.2	131	1	TX 190 TX 63, Buda Jasper County, Jasper County TX 67, south of Jasper, Jasper County US 96, south of US 190 TX 63, Jasper County TX 12, south of TX 87, Newton County TX 87, south of TX 12, Newton County US 96, Buda, Jasper County
1097	Chlorine	2.3 (1)(F)	128	1	TX 12, south of TX 87, Newton County TX 87, south of TX 12, Newton County US 96, Buda, Jasper County
1067	Compressed toxic gas	2.3	124	1	US 96, south of US 190 TX 63, Jasper County US 96, south of US 190 TX 63, Jasper County US 96, Buda, Jasper County
1271	Methyl vinyl ketone, stabilized	4.1	131P	1	US 96, Buda, Jasper County
1274	Diethyl ether, flammable, liquid	2.2 (1)	131	1	US 96, Buda, Jasper County
1192	Toxic by inhalation liquid, extremely flammable liquid with an LCLP hazard class or equal to 200 mg/L and saturated vapor concentration greater than or equal to 100 L/C at 20°C	3.1 (1)(F)	131	1	US 96, Buda, Jasper County

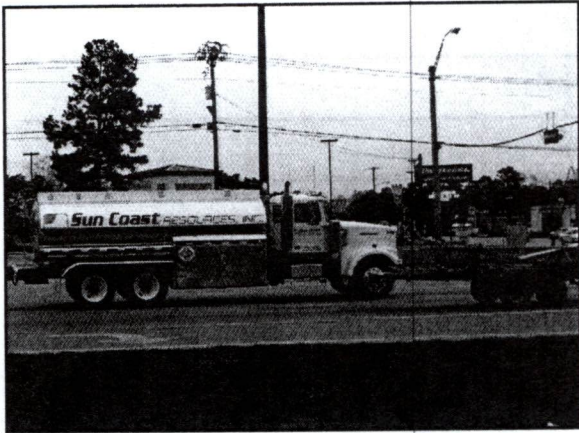


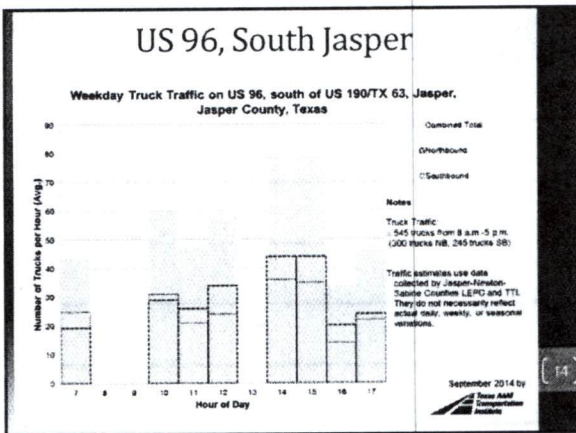
Special hazards - Others

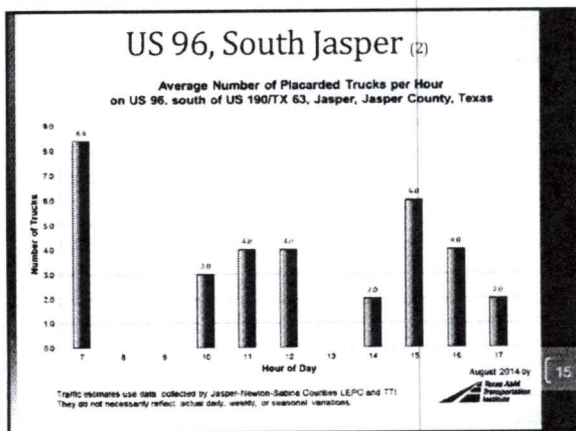
Violent Polymerization

Placard	Material Description	Class	2012		Observation Location
			ERG #	Count	
1246	Methyl isopropenyl ketone, stabilized	3	127P	2	TX 62, Buda, Jasper County; US 96, Buda, Jasper County
1167	Divinyl ether, stabilized	3	128P	1	US 96, Buda, Jasper County
2403	Isopropenyl acetate	3	129P	1	US 96, Buda, Jasper County
1251	Methyl vinyl ketone, stabilized	6.1	131P	1	US 96, Buda, Jasper County

No explosive, radioactive, or gas-forming water reactive materials placards were observed.







US 96, South Jasper (3)

Placard	Count	% of Placarded	ERG #	Hazard Class	Description/Name
1207	14	56.0%	128	3	Petroleum crude oil
1075	3	12.0%	115	2.1	Petroleum gases, liquefied or Liquefied petroleum gas
1392	3	12.0%	131	3 (6.1)	Flammable liquids, toxic, n.o.s.
1953	3	12.0%	128	3	Flammable liquids, n.o.s.; Compounds, cleaning liquid; Compounds, tree killing, liquid or Compounds, weed killing, liquid; Diesel Fuel Fuel Oil (No. 1, 2, 4, 5, or 6); Combustible liquid, n.o.s.
1209	2	8.0%	128	3	Gasoline includes gasoline mixed with ethyl alcohol, with not more than 10% alcohol
1024	2	8.0%	154	8	Sodium hydroxide solution

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US 96, South Jasper (4)

Truck Configuration	Truck Type	Number of Trucks Observed	Percent of Total Trucks Observed	Number of Trucks Observed With HazMat Placard	Percent of Trucks Config. and Type With HazMat Placard	
Straight	Box	25	6.2%	0	0.0%	
	Dry Tank	1	0.2%	0	0.0%	
	Flatbed	12	3.0%	0	0.0%	
	Other	29	7.2%	0	0.0%	
	Refrigerated	5	1.2%	0	0.0%	
	Tank	3	0.7%	2	66.7%	
	Utility	12	3.0%	1	8.3%	
	Subtotal	87	21.5%	3	3.4%	
Tractor-Trailer	Box	68	16.3%	0	0.0%	
	Dry Tank	2	0.5%	0	0.0%	
	Flatbed	67	16.5%	0	0.0%	
	Hookbox	6	1.5%	0	0.0%	
	Commercial	1	0.2%	1	100.0%	
	Other	111	27.4%	0	0.0%	
	Refrigerated	5	1.2%	0	0.0%	
	Tank	30	7.4%	36	62.1%	
		Subtotal	318	78.5%	37	11.6%
	All Trucks	Grand Total	405	100.0%	40	9.9%

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Comparisons with 2009

Total Truck Traffic Count Averages (8 a.m. to 5 p.m.)

Location	2009	2014
US 96, Jasper	650-725	500-600
US 96, Buna	700	425
US 190, Jasper	750-900	500-600
TX 62	150	160
TX 63, west of Jasper	190	175
FM 363, Kirbyville	225	310

HazMat Truck Traffic Percentage Averages (8 a.m. to 5 p.m.)

Location	2009	2014
US 96, Jasper	5-6%	6-10%
US 96, Buna	5-7%	12-15%
US 190, Jasper	3-5%	6-8%
TX 62	7%	12%
TX 63, west of Jasper	5%	10%
FM 363, Kirbyville	5%	5%

Truck traffic in Jasper County appears to have decreased since 2009 on major roads, but the percentage with HazMat has increased.

Overall, the number of HazMat trucks on Jasper County roads has stayed at least the same and may have increased moderately.

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Functional recommendations

- Elected officials
- Executive/agency heads
- Emergency planners/OEM
- Fire & police services
- Communications & media relations
- Traffic enforcement & control
- Medical facilities/hospitals/EMS
- Federal government & military installations
- School officials
- Special facilities
- Private sector

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Examples

- Elected officials
 - Connect with regional leaders and support regional plans of action that coordinate HazMat response across jurisdictional lines (including state and federal, as applicable) in Jasper, Newton, and Sabine Counties.
- Emergency planners/OEM
 - Review new TDEM and TCEQ plans and guidelines; Update Annex Q; communicate changes.
- Schools and special facilities
 - Evaluate risks posed to facilities and key routes, review and revise SIP & evac plans, consider drills and tests.
- Fire and police services
 - Ensure that all first responder personnel have *and follow* appropriate training, including initial response & site control, and use of PPE.

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General recommendations

- Training & exercises
- Protective action
- Resource management & acquisition
- Hazard & vulnerability assessment
- Planning & communications
- Provide feedback

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Limitations & follow up

- Limitations
 - Data (number of hours) coverage at each site
 - Weekdays, daytime only
 - Seasonality (Spring/Summer)
 - Specific hazards? (commodity, packaging, etc.)
- Follow up
 - Integrate into emergency & community plans
 - Review recommendations
 - Identify, assign, and track action items
 - Address gaps, monitor situation
 - Assess risks; plan, train, and exercise

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Acknowledgements

Sponsors:

- Texas Division of Emergency Management
- Jasper-Newton-Sabine Counties LEPC

Special Thanks:

- Billy Ted Smith, OEM
- LEPC volunteers

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Thank you!



Questions,
comments,
or ideas?



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