

MEMORANDUM

TO: **EFIS File No. GW-2010-0120**

FROM: Dale W. Johansen
MO PSC Natural Gas Pipeline Safety Staff
/s/ Dale W. Johansen

SUBJECT: Summary of Natural Gas Operators' Excavation Damages & Notifications

DATE: April 15, 2010

The purpose of this Memorandum and the attached document is to provide the Commission and interested underground facility damage prevention stakeholders with a summary of the excavation damages and excavation notifications that natural gas operators subject to the Commission's safety jurisdiction have experienced/received over the past four calendar years.

The information presented in the attached document comes from the report that natural gas operators submit annually to the Commission's pipeline safety program staff. Other than the information obtained through responses to the 08/17/09 Underground Facility Damage Assessment Survey, which was previously submitted to EFIS File No. GW-2010-0120, similar information is not routinely provided by other Commission-regulated underground facility owners.

Questions regarding the information presented in the attached document should be directed to Dale Johansen by e-mail at dale.johansen@psc.mo.gov.

Attachment: Missouri Natural Gas Operators - - Excavation Damages Experienced - - Excavation Notifications Received - - CY2006 thru CY2009

Missouri Natural Gas Operators - - Excavation Damages Experienced - - Excavation Notifications Received - - CY2006 thru CY2009

Excavation Damages Experienced

Description	CY2006		CY2007		CY2008		CY2009		4-Year Average	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Locate Markings Provided and Provided Accurately *	1,271	42.49%	1,125	32.88%	983	44.91%	831	42.97%	1,053	39.96%
Excavator Did Not Call Before Starting Work	843	28.18%	885	25.86%	673	30.74%	469	24.25%	718	27.24%
Locate Markings Provided But Markings Lost or Destroyed	78	2.61%	175	5.11%	31	1.42%	33	1.71%	79	3.01%
Sub-Total Excavator Related	2,192	73.29%	2,185	63.85%	1,687	77.07%	1,333	68.92%	1,849	70.21%
Locate Markings Provided But NOT Provided Accurately **	523	17.49%	493	14.41%	415	18.96%	394	20.37%	456	17.32%
Excavator Called Before Digging But Locate Not Done	101	3.38%	603	17.62%	87	3.97%	51	2.64%	211	7.99%
Sub-Total Operator Related	624	20.86%	1,096	32.03%	502	22.93%	445	23.01%	667	25.31%
Total Classified Damages	2,816	94.15%	3,281	95.88%	2,189	100.00%	1,778	91.93%	2,516	95.52%
Unclassified Damages	175	5.85%	141	4.12%	0	0.00%	156	8.07%	118	4.48%
TOTAL ANNUAL DAMAGES	2,991	100.00%	3,422	100.00%	2,189	100.00%	1,934	100.00%	2,634	100.00%
Monthly Average of Damages	249		285		182		161		220	

* Markings Within "Approximate Location" as Defined by State Law

** Markings Outside of "Approximate Location" as Defined by State Law

Percents Shown = No. of Damages in Category ÷ Total Damages

Excavation Notifications Received

Source of Notification	CY2006	CY2007	CY2008	CY2009	Average
Through Missouri One Call	521,814	546,412	512,340	470,312	512,720
Direct to Operator	326	276	322	239	291
TOTAL NOTIFICATIONS	522,140	546,688	512,662	470,551	513,010

Ratio of Damages Experienced to Notifications Received

	CY2006	CY2007	CY2008	CY2009	Average
Total Damages	2,991	3,422	2,189	1,934	2,634
Total Notifications	522,140	546,688	512,662	470,551	513,010
Damages / Notifications Ratio (damages per 1,000 notifications)	5.73	6.26	4.27	4.11	5.13