**Joint Legislative Hearing on Pipeline Safety, Nov. 16, 2016 – Harrisburg**

Mapping of pipelines; above ground pipeline features; and related facilities are key proponents of emergency planning for, and response to pipeline emergencies. In addition to the mapping of the pipelines themselves, this would also include physical addressing of above ground pipeline features and related facilities to support 9-1-1 emergency response. Precedence for mapping and addressing can be found in the Act 9 Rules and Regulations Title 25 – Environmental Protection, Environmental Quality Board [24 PA Code CH 78] Emergency Response Planning at Unconventional Well Sites [ 43PA.B. 536] [Saturday, January 26, 2013] governing the addressing of unconventional wells as adopted. An example of a county ordinance for property addressing is included in the additional documentation; the sections revised to include gas features are highlighted.

The sharing of this accurate, up to date pipeline mapping and related physical addresses needs to occur across the Commonwealth; from state level agencies down to the local PSAP (9-1-1 Center) level. Ideally, this data would be available in near real-time at a PSAP in order to properly support emergency response. Minimum horizontal accuracy and GPS coordinate specifications should be consistent with existing Rules and Regulations *(i.e. Act 9, see attached documentation)*; these points were also brought out in documents submitted to the Pipeline Infrastructure Task Force by various workgroups within the Task Force. Of the 184 recommendations submitted to the Task Force by the work groups, seven recommendations specifically referenced mapping of pipelines (*see attached Workgroup Recommendations, with highlighted sections*).

Training for pipeline emergencies should be provided for first responders, emergency planners, and elected officials. Successful management of any emergency depends upon all entities, engaged in mediating the emergency, to be 'on the same page'.  Standardized Emergency Response Plans (ERP) should be available to all first responders and supporting agencies; these plans should also be incorporated into first responder training. Training and Emergency Response Plans were also part of the workgroup recommendations to the Task Force; and although mapping was not specifically mentioned in regards to the ERPs, mapping is inferred from the language used (*see attached Workgroup Recommendations with highlights*).

Next-Generation 9-1-1 will have GIS as the core technology; the NG9-1-1 system will provide location-based routing to the appropriate PSAP. Ideally, the PSAP will also have GIS as the core technology in their CAD system (Computer Aided Dispatch) to also take advantage of the spatial data. As the Commonwealth moves towards full implementation of NG9-1-1, the mapping of pipelines and related features into GIS will greatly enhance emergency planning and emergency response.

Submitted by:

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