# *4-10-99 ADDITIONAL STANDARDS FOR FLOWLINES AND GATHERING PIPELINES*

The following standards apply specifically to flowlines and gathering pipelines, in addition to the applicable standards in Sec. \*\*\* thru Sec. \*\*\*.

* + - 1. **UNDERGROUND LOCATION**

All flowline and gathering pipelines, whether owned by the Operator or another company associated with the Oil and Gas Operation, shall be located underground.

* + - 1. **FLOWLINES**

Flowlines mean those segments of pipe from the wellhead downstream through the production facilities ending at, in the case of gas lines, the gas metering equipment; or, in the case of oil lines, the oil loading point; or in the case of waterlines, the water loading point, the point of discharge to a pit, or the injection wellhead.

* + - 1. **GATHERING LINES**

Gathering lines shall mean a pipeline and equipment described below that transports gas from a production facility (ordinarily commencing downstream of the final production separator at the inlet flange of the custody transfer meter) to a natural gas processing plant or transmission line or main. The term “gathering line” includes valves, metering equipment, communication equipment, cathodic protection facilities, and pig launchers and receivers, but does not include dehydrators, treaters, tanks, separators, or compressors located downstream of the final production facilities and upstream of the natural gas processing plants, transmission lines, or main lines.

* + - 1. **ALIGNMENT**

Gathering pipelines shall be aligned with established roads and share existing pipeline rights-of-way or consolidate new corridors for pipeline rights-of- way whenever possible.

* + - 1. **WATER BODY CROSSING**

Boring technology shall be used for gathering pipelines crossing streams, rivers or irrigation ditches.

* + - 1. **COMPLIANCE WITH FLOODPLAIN REGULATIONS**

Flowline or gathering pipelines located in or crossing an area of Special Flood Hazard shall comply with the requirements of the County's floodplain regulations in Section \*\*\*.

* + - 1. **OPERATIONS AND MAINTENANCE**

Operations and maintenance shall be conducted in accordance with the Procedural Manual for operations, maintenance, and emergencies prepared in conformance with 40 CFR § 192.605 for gas gathering pipelines or 40 CFR § 195.402 for oil gathering pipelines. This manual will be provided to the County before initial operations commence.

* + - 1. **GPS INFORMATION AND AS-BUILT DRAWINGS**

Within thirty (30) days of completing construction, the following information shall be provided to the Director:

* + - 1. Global positioning system (GPS) information sufficient to locate the flowline or gathering pipeline in a format compatible with the County's GIS system;
			2. As-built drawings;
			3. Engineering plans, drawings, and maps with summarized specifications showing the horizontal location, covering depths, and location of shutoff valves of the gathering pipeline. The drawings shall show the location of other pipelines and utilities that are crossed or paralleled within fifteen feet (15') of the flowline or gathering pipeline right-of-way;
			4. Detailed cross-section drawings for all public rights-of-ways and easement crossings on County property;
			5. A list of the names and mailing addresses of all residents, property owners, and tenants adjacent to the gathering pipeline construction.
			6. **RECORDATION OF AS-BUILT LOCATION AND ABANDONMENT**
1. A legal description of the gathering pipeline location shall be recorded with the County and the County Clerk and Recorder within thirty (30) days after construction is completed;
2. The Director and the County Clerk and Recorder shall be notified of abandonment of any recorded gathering pipeline within thirty (30) days after abandonment.
	* + 1. **RESTORATION OF SITE UPON COMPLETION OF CONSTRUCTION**

Within thirty (30) days after construction of a flowline or gathering pipeline is completed, the affected property shall be graded, leveled, and restored to the same surface condition, as nearly as practicable, as existed before construction activities were first commenced.

* + - 1. **VALVES**

Flowline or gathering pipeline shall be equipped with automatic shut-off valves or remote control valves.

* + - 1. **COMPUTERIZED MONITORING AND LEAK DETECTION**

Flowline or gathering pipelines shall be equipped with computerized monitoring and leak detection that provides immediate notice of any leak to the County’s emergency response providers.

* + - 1. **NOTIFICATION OF GAS LEAKS**

The Director of Community & Economic Development shall be notified immediately of gas leaks.

* + - 1. **OIL GATHERING PIPELINES**

These additional requirements apply to oil gathering pipelines.

1. Setback. Oil gathering pipelines shall be located a minimum distance of X feet from the exterior wall of a structure used for a residence, school, or commercial purposes. *Our intent is to explore setback distances of 250, 500, and 750 feet. Stakeholder feedback on this set of options is greatly appreciated.*
2. Periodic Reports and Reporting of Accidents and Safety-Related Conditions for Oil Gathering Pipelines
	1. Operator shall provide the Director with copies of the periodic reports at the time of reporting to the Pipeline Hazardous Material Safety Administration ("PHMSA")
	2. Operator shall notify the Director of accidents and safety related conditions at the time of reporting to the PHMSA.
		* 1. **GAS GATHERING PIPELINES**

In addition to 4 Colorado Code of Regulations (CCR) 723-4 that apply to gas gathering pipelines throughout the County, these standards apply to gas gathering pipelines located in areas with ten (10) or fewer buildings or outdoor areas of public assembly within 220 yards on either side of the centerline of any continuous one mile length of pipeline.

1. Hoop stress of 20% or more MAOP or more than 125 psig. Metallic gathering pipelines with a MAOP that produces a hoop stress of 20% or more of the SMYS or non-metallic gathering pipelines with a MAOP of more than 125 psig, shall comply with the transmission line requirements of 49 CFR § 192, except for Subpart D § 192.150, Passage of internal inspection devices.
2. Hoop stress of less than 20% MAOP or less than 125 psig. Metallic gathering pipelines with a MAOP that produces a hoop stress of 20 percent or less of the SMYS or non-metallic gathering pipelines with a MAOP of less than 125 psig shall comply with the following:
	* + - 1. If a line is new, replaced, relocated, or otherwise changed, the design, installation, construction, initial inspection, and initial testing must comply with the following:
3. Design and Installation:
	1. 49 CFR § 192 Subpart B
	2. 49 CFR § 192 Subpart C
	3. 49 CFR § 192 Subpart D, except for § 192.150, Passage of internal inspection devices
4. Construction and Inspection: 49 CFR § 192 Subpart B
5. Initial Testing: 49 CFR § 192 Subpart J.
	* + - 1. Metallic gathering pipelines shall comply with corrosion control requirements of 49 CFR § 192, Subpart L.
				2. Damage prevention program described in 49 CFR §192.614, subpart L.
				3. Public education program required by 49 CFR § 192.616, subpart L.
				4. Install and maintain line markers required by 49 CFR § 192.707, subpart M.
				5. Leakage control program according to 49 CFR § 192.723(b), subpart M.
				6. Procedural Manual addressing the maintenance and operational requirements of this Section.
				7. Implementation of the Gas Pipeline Integrity Management Plan.