

Biogas or Renewable Natural Gas (RNG)

- Efforts in the public sector to construct new biogas facilities using landfills, cow manure, etc.
- Installations have been completed in some states
- Gas quality and ability to be blended with existing natural gas supplies can be a critical issue and addressed in several ways
- Some biogas facilities only serve one plant (powerplants, etc.) vs being blended into a gas distribution system
- Some biogas facilities may have pipelines that may fall under the Gas Gathering Line regulations

Pipeline Definitions Per 192.3

Service line means a distribution line that transports gas from a common source of supply to an individual customer, to two adjacent or adjoining residential or small commercial customers, or to multiple residential or small commercial customers served through a meter header or manifold. A service line ends at the outlet of the customer meter or at the connection to a customer's piping, whichever is further downstream, or at the connection to customer piping if there is no meter.

Transmission line means a pipeline or connected series of pipelines, other than a gathering line, that:

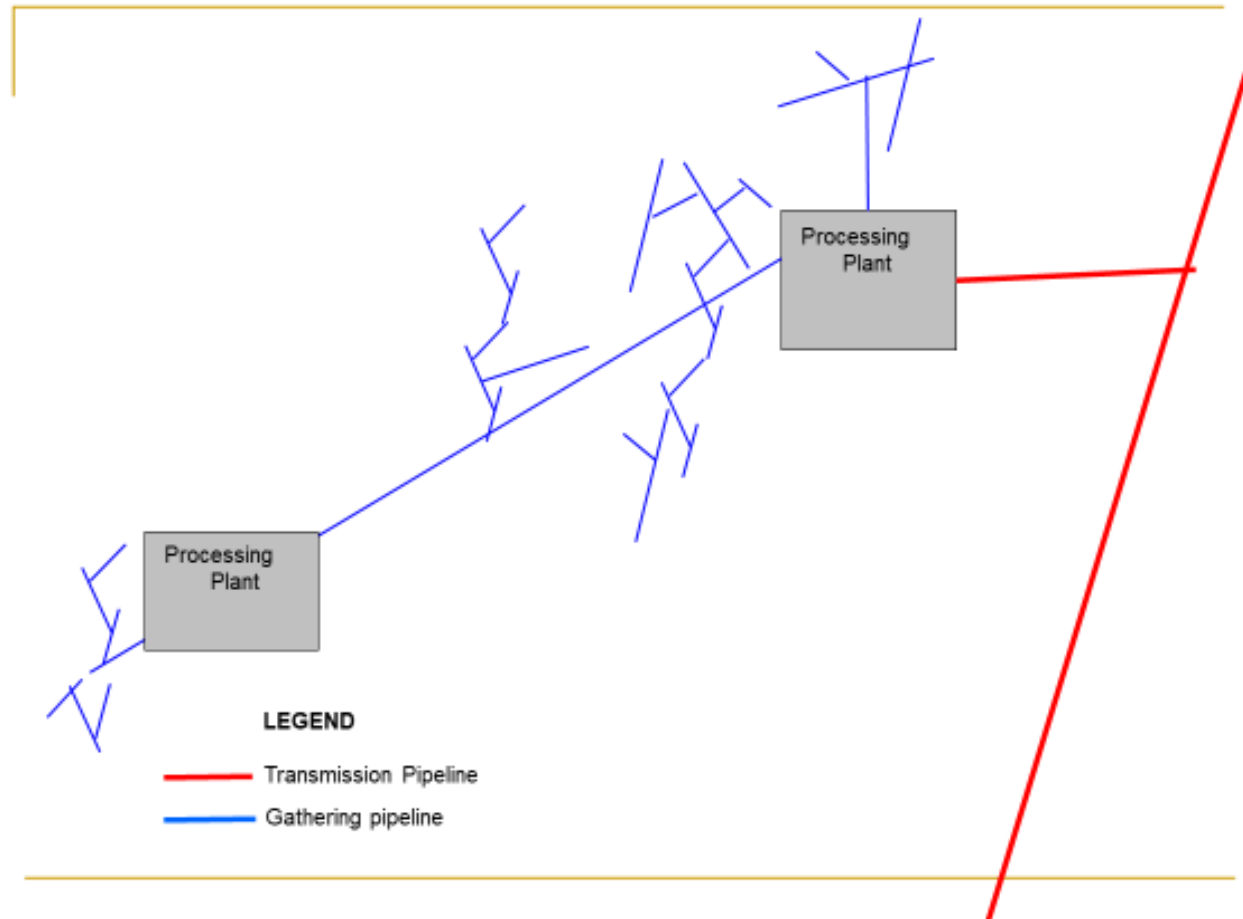
- (1) Transports gas from a gathering pipeline or storage facility to a distribution center, storage facility, or large volume customer that is not downstream from a distribution center;
- (2) Has an MAOP of 20 percent or more of SMYS;
- (3) Transports gas within a storage field; or
- (4) Is voluntarily designated by the operator as a transmission pipeline.

Gathering Line means a pipeline that transports gas from a current production facility to a transmission line or main. (API RP 80 tries to define gathering lines).

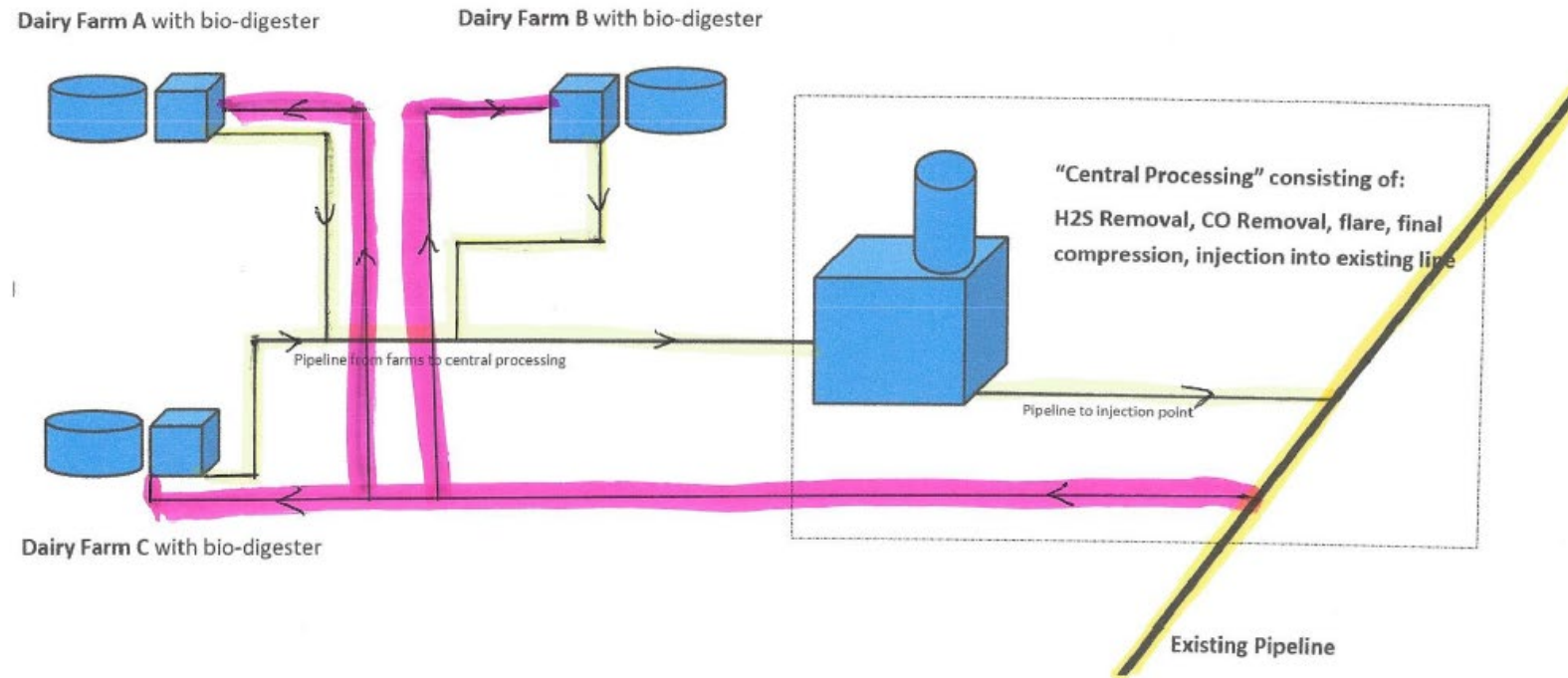
Distribution line means a pipeline other than a gathering or transmission line.

Production line – not defined by 192 but is the line between a well or source of gas and a gathering system and the line transports unprocessed gas. (It is somewhat defined in API RP80 when defining gathering lines.) These are not regulated by 192.

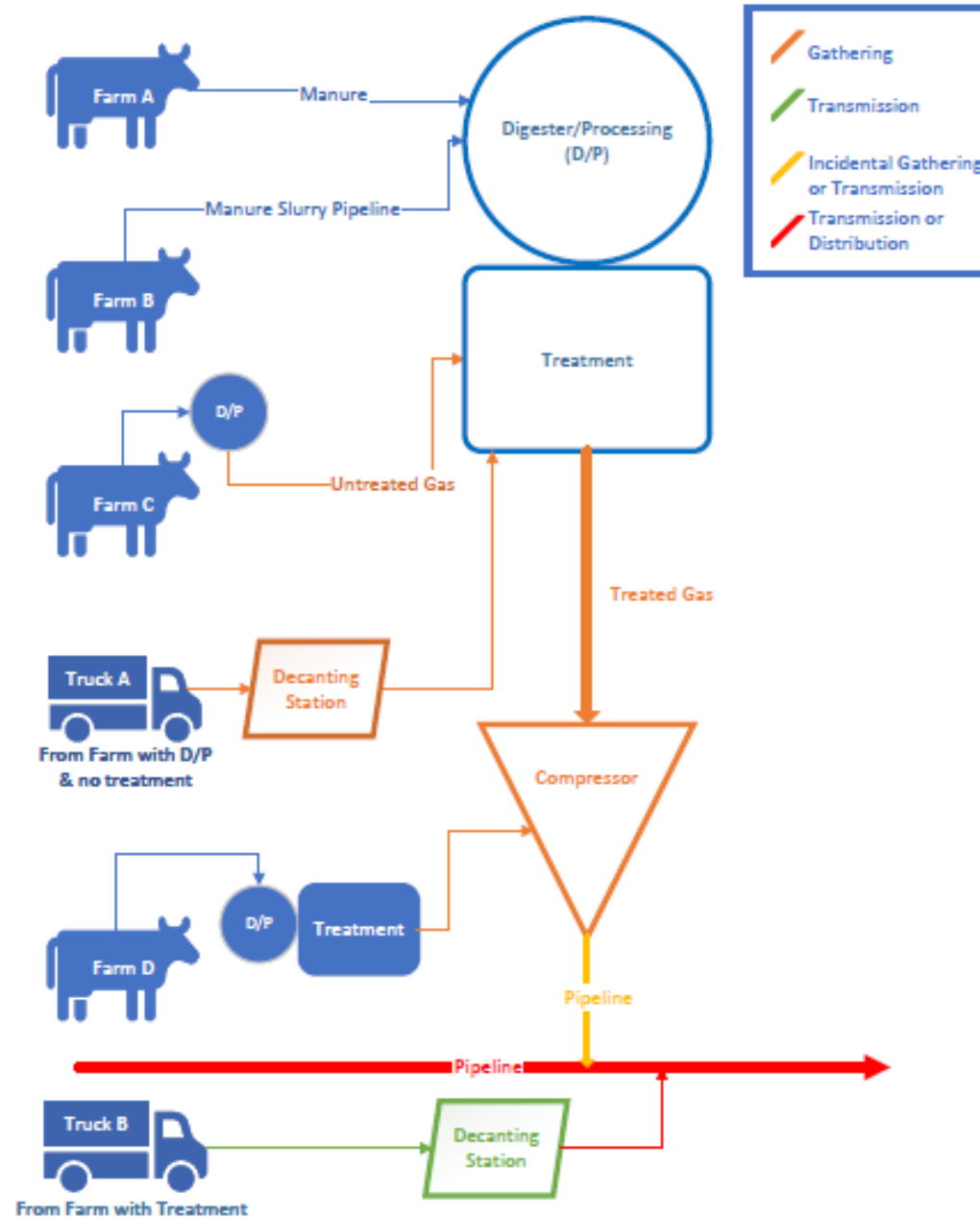
Types of Pipelines – Transmission, Distribution & Gathering



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Biogas Processing: From Farm to Pipeline



South Dakota Biogas Gathering Pipeline Requirement

- Chapter 49-34C-2
- Written notice to warn of hazards to:
 - Emergency management in the county
 - Fire departments or ambulance within 10 miles
 - SD One Call
 - The PUC
 - All landowners within 660 feet of line

Gathering Pipeline Requirement

- Chapter 49-34C-3
- Signage indicating pipeline location in the right-of-way
 - Operator name
 - 24-hour emergency number
 - “Warning” or “Danger”
 - “Biogas Pipeline”

Transmission Line Construction Notification Requirement 20:10:37:18

- Prior to the construction of a new transmission line, or a relocation or replacement of a transmission line, Operator must:
 - Submit the detailed pipeline information 60 days prior to beginning construction, relocation, or replacement
 - Provide O&M and other plans 60 days prior to beginning operation

Questions?

