

2019 Natural Gas STAR & Methane Challenge Workshop

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Montauk Energy

- Established in 1994
 - With connected history dating back to the 1960s and 1970s
- A nationwide company, based in Pittsburgh, involved in the production of natural gas and electricity from renewable fuel sources
 - Municipal landfills
 - Dairy waste digesters

RNG from LFG – McCarty Road – Texas



RNG from Dairy Waste – Pico – Idaho



RNG from LFG – Rumpke – Ohio



RP from LFG – Bowerman – California



RNG from LFG – Monroeville

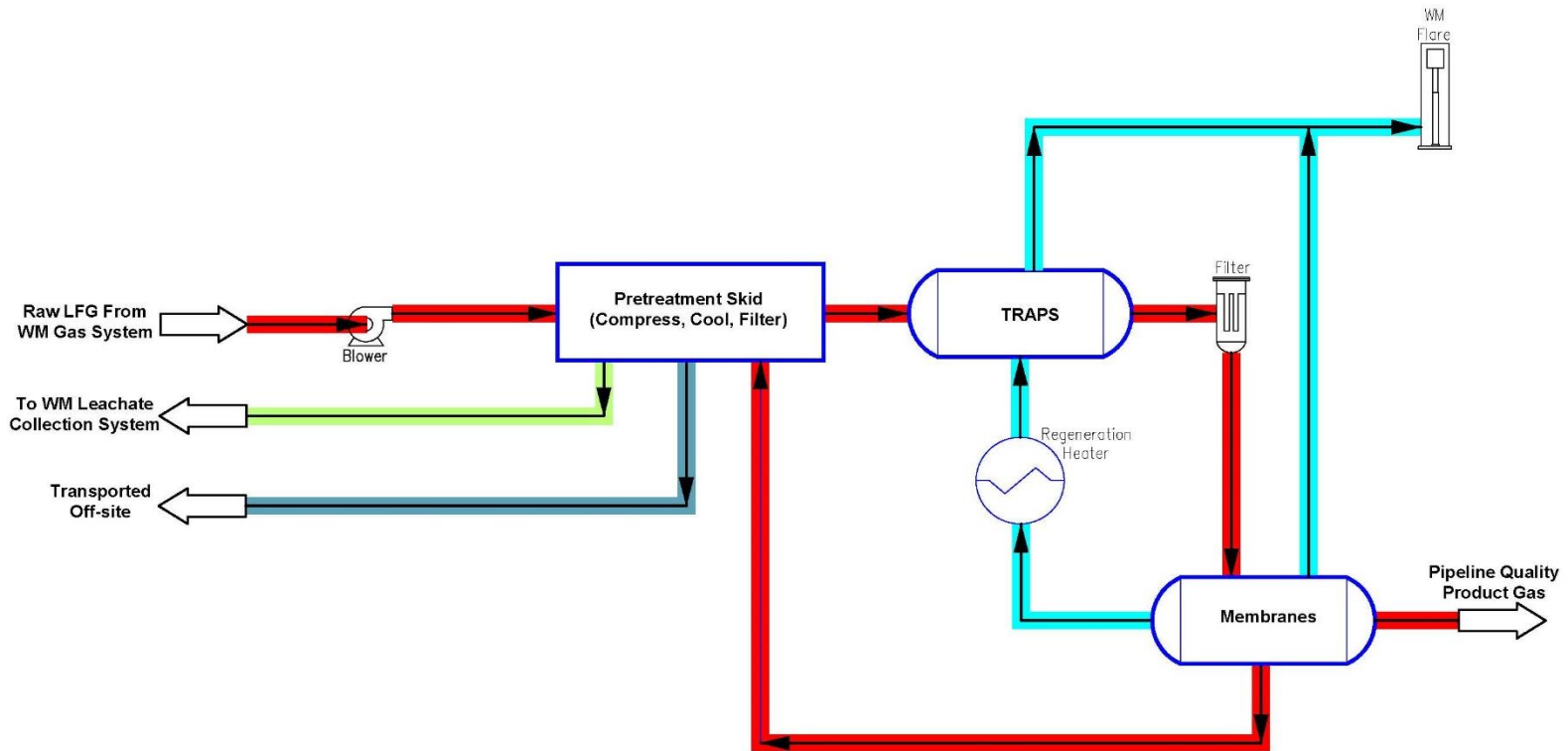


Monroeville LFG

Project Description:

- Raw LFG to RNG production facility
- 5.5 MMSCFD inlet capacity
- Commissioned in 2005
- Sales to Peoples Natural Gas pipeline located 2 miles east of the processing plant

Monroeville LFG



LEGEND	
	Gas Processing Stream
	Waste Gas
	Primary Condensate
	Secondary Condensate

Monroeville LFG

Process Description:

- Electric-driven motors to provide wellfield vacuum
- Refrigeration dehydration
- 3-stage compression to 600 psig
- Pretreatment to remove VOCs using high-pressure coalescing filtration
- Activated carbon to remove siloxanes
- Primary separation of CO₂ and CH₄ via high pressure membranes
- Waste gas destruction via on-site enclosed flare