

MMscf/day of natural gas.

The facility operates two Caterpillar 3516ULB engines to compress natural gas. These engines were installed in July/August 2015 and replaced two Caterpillar 3516LE engines. These engines are subject to NSPS Subpart JJJJ. The compressors associated with these engines are subject to NSPS OOOO because they were installed after August 23, 2011. There is also an electric engine at the facility that processes natural gas. Williams stated that the new compressor engines were stack tested for compliance with NSPS Subpart JJJJ and the permitted emission limits in October 2015. In addition, they will commence quarterly engine emission checks in the first quarter of 2016.

The natural gas fired engines are subject to the following emission limits:

<i>Engine</i>	PA Code 127.1 and 127.12			NSPS JJJJ		
	NO_x	CO	NMNEHC	NO_x	CO	VOC
<i>NG Fired Lean Burn >500HP</i>	0.50 g/bhp- hr	47 ppmvd	0.25 g/bhp-hr	2.0 g/bhp-hr	4.0 g/bhp-hr	1.0 g/bhp-hr

There are two glycol dehydrators at the facility used to remove excess water from the natural gas. The 25MMscf/day dehydrator was installed with the facility while the 40 MMscf/day dehydrator was installed with the new engines in 2015. In addition, to the dehydrators, there are four produced water tanks at the facility ranging from 24bbl to 150bbl in capacity.

This completed the opening meeting.

PLANT INSPECTION:

After the opening meeting, EPA commenced a facility walkthrough. All photographs taken during the inspection are included as Attachment 1 to this report. There are two inlet lines which bring raw field gas into the facility. The gas passes through inlet filter separators to remove excess water and particulates. The legacy gas inlet is sent to the electric compression system while the expansion (Marcellus) gas is sent to one of the two gas compression engines. The compression engines raise the field gas pressure from approximately 200psi entering the facility to >800psi. All of the compressor engines were operating during the inspection. The engine conditions observed on the two gas engines during the inspection were:

	Engine 2	Engine 3
<i>Suction Pressure</i>	175psi	171psi
<i>Discharge Pressure</i>	841psi	858psi