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40 CFR Ch. I (7-1-14 Edition)

TABLE W-2 OF SUBPART W OF PART 98—DEFAULT TOTAL HYDROCARBON EMISSION FACTORS FOR ONSHORE NATURAL GAS PROCESSING

Onshore natural gas processing plants	Emission factor (scf/hour/component)
<b>Leaker Emission Factors—Compressor Components, Gas Service</b>	
Valve <sup>1</sup> .....	14.84
Connector .....	5.59
Open-Ended Line .....	17.27
Pressure Relief Valve .....	39.66
Meter .....	19.33
<b>Leaker Emission Factors—Non-Compressor Components, Gas Service</b>	
Valve <sup>1</sup> .....	6.42
Connector .....	5.71
Open-Ended Line .....	11.27
Pressure Relief Valve .....	2.01
Meter .....	2.93

<sup>1</sup> Valves include control valves, block valves and regulator valves.

[76 FR 80592, Dec. 23, 2011]

TABLE W-3 OF SUBPART W OF PART 98—DEFAULT TOTAL HYDROCARBON EMISSION FACTORS FOR ONSHORE NATURAL GAS TRANSMISSION COMPRESSION

Onshore natural gas transmission compression	Emission factor (scf/hour/component)
<b>Leaker Emission Factors—Compressor Components, Gas Service</b>	
Valve <sup>1</sup> .....	14.84
Connector .....	5.59
Open-Ended Line .....	17.27
Pressure Relief Valve .....	39.66
Meter .....	19.33
<b>Leaker Emission Factors—Non-Compressor Components, Gas Service</b>	
Valve <sup>1</sup> .....	6.42
Connector .....	5.71
Open-Ended Line .....	11.27
Pressure Relief Valve .....	2.01
Meter .....	2.93
<b>Population Emission Factors—Gas Service</b>	
Low Continuous Bleed Pneumatic Device Vents <sup>2</sup> .....	1.37
High Continuous Bleed Pneumatic Device Vents <sup>2</sup> .....	18.20
Intermittent Bleed Pneumatic Device Vents <sup>2</sup> .....	2.35

<sup>1</sup> Valves include control valves, block valves and regulator valves.

<sup>2</sup> Emission Factor is in units of "scf/hour/device."

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TABLE W-4 OF SUBPART W OF PART 98—DEFAULT TOTAL HYDROCARBON EMISSION FACTORS FOR UNDERGROUND NATURAL GAS STORAGE

Underground natural gas storage	Emission factor (scf/hour/component)
<b>Leaker Emission Factors—Storage Station, Gas Service</b>	
Valve <sup>1</sup> .....	14.84
Connector .....	5.59
Open-Ended Line .....	17.27
Pressure Relief Valve .....	39.66
Meter .....	19.33

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Underground natural gas storage	Emission factor (scf/hour/ component)
<b>Population Emission Factors—Storage Wellheads, Gas Service</b>	
Connector .....	0.01
Valve .....	0.1
Pressure Relief Valve .....	0.17
Open Ended Line .....	0.03
<b>Population Emission Factors—Other Components, Gas Service</b>	
Low Continuous Bleed Pneumatic Device Vents <sup>2</sup> .....	1.37
High Continuous Bleed Pneumatic Device Vents <sup>2</sup> .....	18.20
Intermittent Bleed Pneumatic Device Vents <sup>2</sup> .....	2.35

<sup>1</sup> Valves include control valves, block valves and regulator valves.  
<sup>2</sup> Emission Factor is in units of "scf/hour/device."

[76 FR 80593, Dec. 23, 2011]

TABLE W-5 OF SUBPART W OF PART 98—DEFAULT METHANE EMISSION FACTORS FOR LIQUEFIED NATURAL GAS (LNG) STORAGE

LNG storage	Emission factor (scf/hour/ component)
<b>Leaker Emission Factors—LNG Storage Components, LNG Service</b>	
Valve .....	1.19
Pump Seal .....	4.00
Connector .....	0.34
Other <sup>1</sup> .....	1.77
<b>Population Emission Factors—LNG Storage Compressor, Gas Service</b>	
Vapor Recovery Compressor <sup>2</sup> .....	4.17

<sup>1</sup> "Other" equipment type should be applied for any equipment type other than connectors, pumps, or valves.  
<sup>2</sup> Emission Factor is in units of "scf/hour/device."

[76 FR80594, Dec. 23, 2011, as amended at 77 FR 51495, Aug. 24, 2012]

TABLE W-6 OF SUBPART W OF PART 98—DEFAULT METHANE EMISSION FACTORS FOR LNG IMPORT AND EXPORT EQUIPMENT

LNG import and export equipment	Emission factor (scf/hour/ component)
<b>Leaker Emission Factors—LNG Terminals Components, LNG Service</b>	
Valve .....	1.19
Pump Seal .....	4.00
Connector .....	0.34
Other <sup>1</sup> .....	1.77
<b>Population Emission Factors—LNG Terminals Compressor, Gas Service</b>	
Vapor Recovery Compressor <sup>2</sup> .....	4.17

<sup>1</sup> "Other" equipment type should be applied for any equipment type other than connectors, pumps, or valves.  
<sup>2</sup> Emission Factors is in units of "scf/hour/compressor."

[76 FR 80594, Dec. 23, 2011]

TABLE W-7 OF SUBPART W OF PART 98—DEFAULT METHANE EMISSION FACTORS FOR NATURAL GAS DISTRIBUTION

Natural gas distribution	Emission factor (scf/hour/ component)
<b>Leaker Emission Factors—Transmission-Distribution Transfer Station<sup>1</sup> Components, Gas Service</b>	