

Summary of Equipment Inventory Data (Number of Components) by Skid Type

Skid Type	Valves	Pump Seals	Threaded Connections	Flanges	Open Ended Lines	Compressor Seals	Diaphragms	Drains	Dump Arms	Hatches	Instruments	Meters	Pressure Relief Valves	Polished Rods	Other Relief Valves	Vents
Separator Skid	34	0	13	73	0	0	0	2	0	0	15	1	1	0	0	0
Heater Treater Skid	98	0	70	114	0	0	0	3	0	0	25	0	3	0	0	0
LACT Charge Pump Skid	21	3	6	47	0	0	0	1	0	0	9	0	0	0	0	0
LACT Skid	62	1	75	69	0	0	0	1	0	0	34	4	6	0	0	0
Pipeline Pumps Skid	39	3	12	78	0	0	0	2	0	0	70	0	3	0	0	0
Pig Launcher/Receiver Skid	13	0	14	16	0	0	0	0	0	0	9	0	1	0	0	0
Compressor Skid	119	0	113	138	0	4	0	1	0	0	69	0	9	4	0	0
Filter/Separator Skid	30	0	25	37	0	0	0	1	0	0	9	0	1	0	0	0
Gas Dehydration Skid	23	0	14	40	0	0	0	1	0	0	12	0	1	0	0	0
Glycol Regeneration Skid	134	0	110	194	0	0	0	4	0	0	45	1	7	6	1	0
Gas Meter	10	0	11	26	0	0	0	1	0	0	21	2	0	0	0	0
Fuel Gas Skid	62	0	47	85	0	0	0	1	0	0	32	1	4	0	0	0
Flotation Cell Skid	41	1	34	70	0	0	1	1	0	15	8	0	2	0	2	0
Scrubber	13	0	13	18	0	0	0	1	0	0	9	0	1	0	0	0
Amine Unit	226	8	166	391	0	0	1	5	0	0	121	2	12	0	1	0
Line Heater	30	0	46	18	0	0	0	1	0	0	10	0	0	0	1	0
Production Manifold	108	0	31	148	0	0	0	1	0	0	43	0	0	7	0	0
Wellhead	15	0	6	19	0	0	0	0	0	0	11	0	0	0	0	0
Import or Export Pipeline	3	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0

Also note that because there is a large variation in emissions for compressor seals, you will also be asked to specify the compressor and seal type:

- Centrifugal- wet seal;
- Centrifugal- dry seal;
- Reciprocating- shaft packing; or
- Other (specify).

The following information may also be useful as you complete the GOADS fugitive emissions general information tab:

Speciation Fractions for Total Hydrocarbon (THC) Emissions By Stream Type

THC Fraction	Gas	Light Oil (≥ 20 API Gravity)	Heavy Oil (<20 API Gravity)	Water/Oil*
Methane	0.687	0.612	0.942	0.612
Non-methane	0.313	0.388	0.058	0.388
Volatile Organic Compounds (VOC)	0.171	0.296	0.030	0.296

* Water/oil refers to water streams in oil service with a water content greater than 50% from the point of origin to the point where the water content reaches 99%. For water streams with a water content greater than 99%, the emission rate is considered negligible.

Source: API, 1996. *Calculation Workbook for Oil and Gas Production Equipment Fugitive Emissions*.