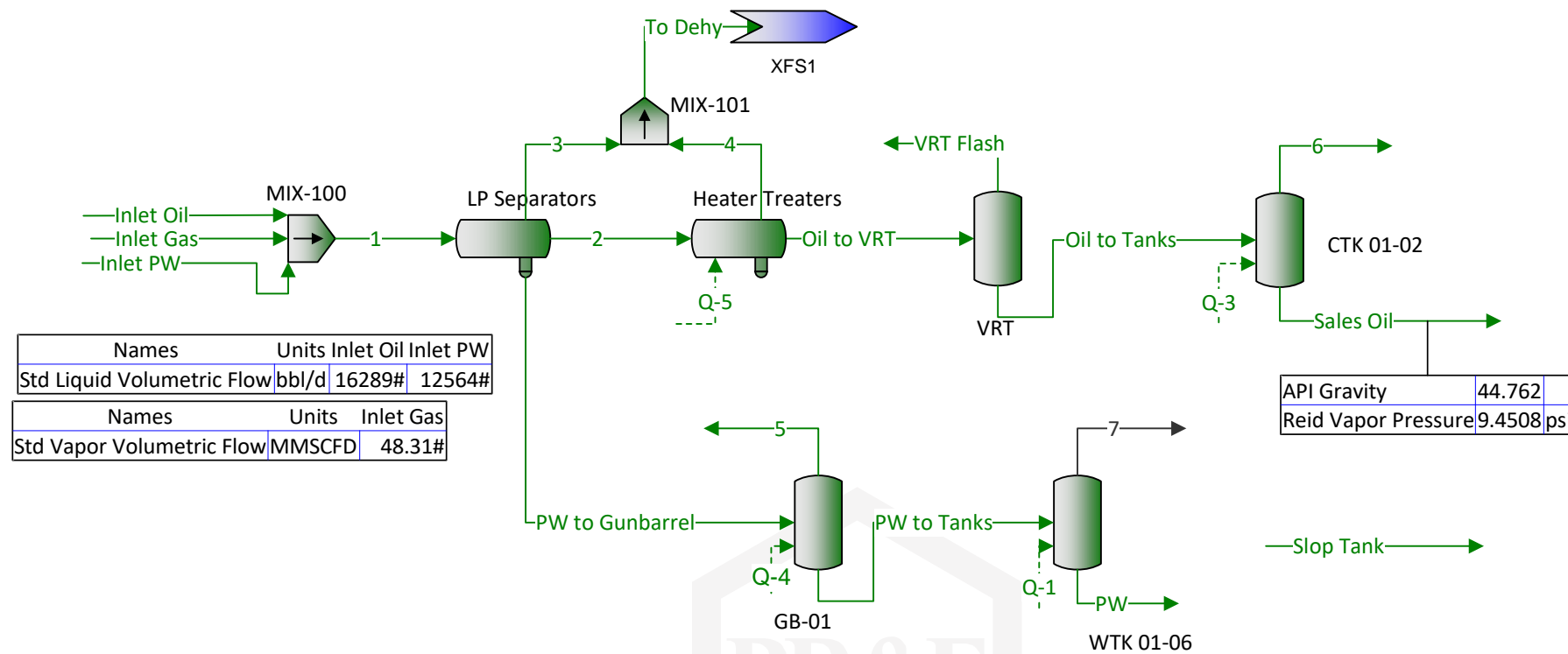


# Central Gathering Facility Template w/ VRT and Oil Solver



Names	Units	Inlet Oil	Inlet PW
Std Liquid Volumetric Flow	bbbl/d	16289#	12564#

Names	Units	Inlet Gas
Std Vapor Volumetric Flow	MMSCFD	48.31#

API Gravity	44.762
Reid Vapor Pressure	9.4508 psi

PStreams "VRT Flash"/"Oil to Tanks" VOCs EF= 2.156 lb/bbl

PStreams "VRT Flash"/"Oil to Tanks" Entire Vapor Stream EF= 29.75 SCF/bbl

PStreams "CTK Flash"/"Sales Oil" VOCs EF= 0.02928 lb/bbl

PStreams "CTK Flash"/"Sales Oil" Entire Vapor Stream EF= 0.4253 SCF/bbl

PStreams "GB Flash"/"PW to Tanks" VOCs EF= 0.01123 lb/bbl

PStreams "GB Flash"/"PW to Tanks" Entire Vapor Stream EF= 0.7841 SCF/bbl

PStreams "STK Flash"/"Slop Tank" VOCs EF= 0.02898 lb/bbl

PStreams "STK Flash"/"Slop Tank" Entire Vapor Stream EF= 0.3958 SCF/bbl

Note: all WS/Flashing tank stencils below include all components

Annual tank loss calculations for "Oil to Tanks".  
Total working and breathing losses are 1,362 ton/yr.  
Flashing losses are 118.1 ton/yr.  
\* All components are reported.  
Vapor adjusted to ensure mass balance

CTK 1-1

Annual tank loss calculations for "PW to Gunbarrel".  
Total working and breathing losses are 112.6 ton/yr.  
Flashing losses are 114.8 ton/yr.  
\* All components are reported.  
Vapor adjusted to ensure mass balance

GB-2

Annual tank loss calculations for "PW to Tanks".  
Total working and breathing losses are 45.69 ton/yr.  
Flashing losses are 0 ton/yr.  
\* All components are reported.  
Vapor adjusted to ensure mass balance

WTK 1-1

Annual tank loss calculations for "Slop Tank".  
Total working and breathing losses are 5.233 ton/yr.  
Flashing losses are 0.2646 ton/yr.  
\* All components are reported.  
Vapor adjusted to ensure mass balance

STK-1

# Tank Battery Facility Template w/ VRT and Oil Solver

PStreams "VRT Flash"/"To Tanks" VOCs EF= 1.318 lb/bbl

PStreams "VRT Flash"/"To Tanks" Entire Vapor Stream EF= 17.68 SCF/bbl

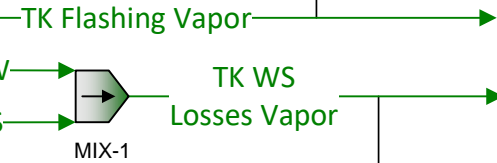
PStreams "TK Flashing Vapor"/"Outlet" Entire Vapor Stream EF= 1.3 SCF/bbl

PStreams "TK Flashing Vapor"/"Outlet" VOCs EF= 0.1031 lb/bbl

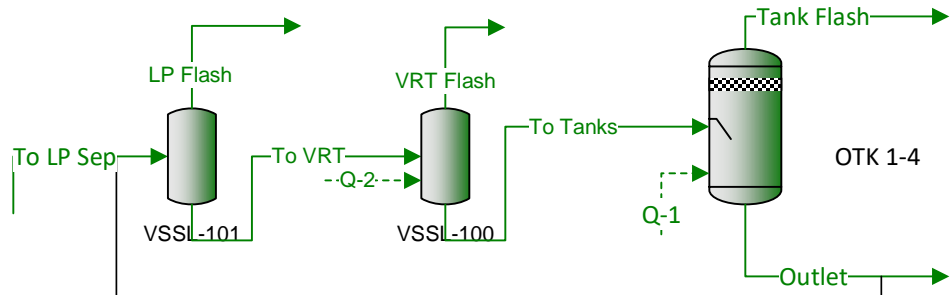
Molecular Weight	42.148	lb/lbmol
Mass Flow	2.7069	lb/h
Mass Flow Sum(VOCs)	1.933	lb/h
Mass Flow Sum(HAPs)	0.059303	lb/h

Annual tank loss calculations for "To Tanks".  
 Total working and breathing losses are 53.73 ton/yr.  
 Flashing losses are 11.86 ton/yr.  
 \* All components are reported.  
 Vapor adjusted to ensure mass balance

Tank-1



Molecular Weight	43.183	lb/lbmol
Mass Flow	12.266	lb/h
Mass Flow Sum(VOCs)	8.8218	lb/h
Mass Flow Sum(HAPs)	0.25496	lb/h



Temperature	187*	°F
Pressure	1188*	psig
Molecular Weight	112.03	lb/lbmol
Std Liquid Volumetric Flow	527.38#	bbl/d

Temperature	80.3	°F
Pressure	0	psig
Std Liquid Volumetric Flow	450	bbl/d

