

### Division Information

Engineer:	Stephanie Chaousy, PE
Control Engineer:	Chris Laplante
Review Date:	11/131/14
Application Date:	05/30/2014

SCC Code

### Facility Identifiers

AIRs	Permit No.	14WE1062
	County #	123 Weld
	Facility #	9CDF
	Point #	003

### Section 01: Administrative Information

Company Name:		PDC Energy, Inc.
Source Name:		Anderson 34R-203, 223, 343, 403
Source Location:		NENE Section 34, T7N, R66W
SIC:		1311
Elevation (feet)		4880
Portable Source?		
Portable Source Homebase		
Mailing Address	Address 1:	PDC Energy, Inc.
	Address 2:	1775 Sherman Street, Suite 3000
	City, State Zip:	Denver, CO 80203
Person To Contact	Name:	Elizabeth Duncan
	Phone:	303-469-1610
	Fax:	303-465-2859
	Email:	Elizabeth.Duncan@pdce.com

AP-42: Chapter 5.2

Equation 1

$$L = 12.46 \cdot S \cdot P \cdot M / T$$

L = loading losses in lb per 1000 gallons loaded

S = Saturation Factor

P = true vapor pressure of liquid loaded [psia]

M = molecular weight of vapors [lb/lb-mole]

T = temperature of bulk liquid loaded [deg. R]

1 degree Fahrenheit = 460.67 degree Rankine

S	0.6	Submerged loading: dedicated normal service
P	7.8	psia
M	65	lb/lb-mole
T	510	deg. R
L	7.43	lb/10 <sup>3</sup> gal
	3.12E-01	lb/bbl
Annual requested Throughput		9772140 gal/yr
Annual requested VOC emissions		72627 lb/yr
		36.31 tpy

### Regulatory Considerations

This facility is not considered a terminal (in Reg. 7) because average daily throughput will be below 20,000 gallons at 3,956 gallons per day.

This facility is not considered a bulk plant (in Reg. 7) because it does not distribute gasoline.

### NCRPs

Component	Mass Frac.	emissions (lb/yr)	emission factor lb/bbl	emission factor lb/1000 gal
Benzene	0.024	0.001752	127.23	0.000547
n-hexane	0.21	0.015328	1113.26	0.004785
				0.0130196
				0.1139215