

Table 9A-22

Rover Construction Emissions - Summary by County

County	Elements within county	Criteria Pollutant (tpy ¹)						
		NOx (tons)	VOC (tons)	CO (tons)	SO2 (tons)	PM10 (tons)	PM2.5 (tons)	CO _{2e} (tons)
Ohio								
Monroe	44mi lateral pipeline, Clarington CS ^{4,5} , Hall Receipt, Gulfport Receipt, Berne Receipt	130.3	30.2	444.4	32.9	189.3	39.7	67535.6
Noble	5mi lateral pipeline, Seneca CS, Seneca Receipt ⁴ , Rex Delivery ⁴	21.2	5.8	86.9	4.9	30.1	6.1	10718.3
Belmont	36mi lateral pipeline	98.2	21.7	315.9	25.3	141.4	30.1	51273.9
Harrison	8mi lateral pipeline, 17mi mainline pipeline, Cadiz CS ^{4,6}	75.7	17.8	262.3	19.0	108.4	22.8	39152.5
Jefferson	18mi lateral pipeline	49.1	10.8	158.0	12.7	70.7	15.1	25636.9
Carroll	16mi lateral pipeline, 6mi mainline pipeline, Mainline CS1	69.8	17.7	253.1	17.1	103.5	21.2	35970.9
Tuscarawas	14mi Mainline Pipeline	38.1	8.4	122.7	9.8	55.0	11.7	19897.6
Stark	14mi Mainline Pipeline	38.1	8.4	122.7	9.8	55.0	11.7	19897.6
Wayne	28mi Mainline Pipeline, Mainline CS2	86.1	21.3	305.6	21.2	126.7	26.2	44450.1
Ashland	17mi Mainline Pipeline	46.3	10.2	149.0	11.9	66.8	14.2	24161.3
Richland	18mi Mainline Pipeline	49.0	10.8	157.8	12.6	70.7	15.1	25582.6
Crawford	18mi Mainline Pipeline, Mainline CS3	58.9	15.3	217.9	14.2	87.7	17.9	30237.5
Seneca	22mi Mainline Pipeline	59.9	13.2	192.8	15.5	86.4	18.4	31267.6
Hancock	6mi Mainline Pipeline	16.3	3.6	52.6	4.2	23.6	5.0	8527.5
Wood	20mi Mainline Pipeline	54.4	12.0	175.3	14.0	78.6	16.7	28425.1
Henry	18mi Mainline Pipeline, 5 mi Market Pipeline	62.6	13.8	201.6	16.2	90.4	19.2	32688.8
Defiance	9mi Mainline Pipeline, 5mi Market Pipeline, Defiance CS, PEPL Delivery ⁴ , ANR Delivery	48.9	13.2	187.9	11.6	73.5	14.7	24976.0
Fulton	18mi Market Pipeline	49.0	10.8	157.7	12.6	70.7	15.1	25582.3
West Virginia								
Doddridge	15mi lateral pipeline, Sherwood CS, Sherwood Receipt ⁴ , CGT Delivery	49.4	12.1	179.8	12.2	72.9	15.1	25384.6
Tyler	23mi lateral pipeline	62.7	13.8	201.8	16.2	90.3	19.2	32758.3
Wetzel	2mi lateral pipeline	5.5	1.2	17.6	1.4	7.9	1.7	2848.5
Marshall ²	12mi lateral pipeline, Majorsville CS, Majorsville receipt	41.2	10.3	153.5	10.0	59.9	12.3	21111.8
Hancock	6mi lateral pipeline	16.4	3.6	52.7	4.2	23.6	5.0	8545.6

Table 9A-22

Rover Construction Emissions - Summary by County

County	Elements within county	Criteria Pollutant (tpy ¹)						
		NOx (tons)	VOC (tons)	CO (tons)	SO2 (tons)	PM10 (tons)	PM2.5 (tons)	CO _{2e} (tons)
Pennsylvania								
Washington ³	10mi lateral pipeline; Burgettstown CS, Burgettstown Receipt ⁴	34.9	8.8	130.8	8.5	49.1	10.2	17839.7
Michigan								
Lenawee	28mi Market Pipeline	76.2	16.8	245.4	19.7	110.0	23.4	39794.6
Washtenaw	28mi Market Pipeline, Consumer Energy Deliver	77.1	17.2	250.5	19.8	111.8	23.7	40218.1
Livingston	29mi Market Pipeline, Vector Delivery	79.8	17.8	259.2	20.5	115.7	24.5	41639.4

¹ All construction activity and associated emissions are projected to take place in year 2016.

² Parts of Marshall County WV are designated nonattainment for SO2, however, the Majorsville Compressor Station will be located in the attainment portion of the county.

³ Washington County, Pennsylvania is non-attainment for 8-hr Ozone and 24-hr PM2.5.

⁴ Meter station will be located within the associated compressor station.

⁵ The Clarington Compressor Station will contain two receipt meters and two bidirectional meters.

⁶ The Cadiz Compressor Station will contain two receipt meters.

Table 9A-22

Rover Construction Emissions - Summary by County

Sample Calculations: Estimates by county were made by pro-rating the total construction emission by pipeline mileage and number of sites within a given county.

Sample Calculations - Monroe County

PM10= 44mi Lateral Pipeline PM10 + Clarington CS PM10 + Hall Receipt PM10 + Gulfport Receipt PM10 + Berne Receipt PM10

PM10= (44mi/195 total lateral miles)*765.8 tons (Lateral Pipeline PM10 Emission Total) + 11.2 tons (Clarington CS PM10 Emission Total) + (3/8 stand-alone stations)*14.3 tons (Stand-alone Metering Station PM10 Emission Total)

PM10= 189.3 tons

Belmont County NOx emissions

NOx= 36mi Lateral Pipeline NOx

NOx= (36mi/195 total lateral miles)*531.8 tons (Lateral Pipeline NOx Emission total)

NOx= 98.2 tons