

Attachment 8 Allocation of Emissions of HRVOCs to Source Types

The following tables show the allocation of emissions of HRVOCs (12 compounds) to source categories. Also shown are the uncontrolled and controlled emissions of the four HRVOCs selected for reductions in this SIP revision (ethylene and propylene in all eight counties, plus 1,3-butadiene and butenes in Harris County). Note that the values in the All HRVOCs column include emissions from sources emitting less than 2.28 lbs/day (about 2 tons/day of the four HRVOCs), while values in the last two columns do not include emissions from these small sources.

Table 1: Allocation of emissions to source categories, Harris County

Source type	Adjusted emissions (tons/day)		
	All HRVOCs (12 compounds)	Ethylene, propylene, 1,3-butadiene, and butenes	
		Uncontrolled	Controlled
Cooling towers	9.8	6.7	24.2 ¹
Process vents	68.4	46.9	
Flares	20.0	13.7	
Fugitives	11.8	8.1	2.9
Stacks	11.7	8.0	8.0
Total	121.7	83.4	35.1

¹ Aggregate for flares, cooling towers, and process vents

Table 2: Allocation of emissions to source categories, seven remaining counties

Source type	Adjusted emissions (tons/day)		
	All HRVOCs (12 compounds)	Ethylene and propylene	
		Uncontrolled	Controlled
Cooling towers	10.2	7.0	15.0 ¹
Process vents	42.2	29.0	
Flares	8.2	5.6	
Fugitives	4.8	3.3	1.2
Stacks	2.9	2.0	2.0
Total	68.3	46.9	18.2

¹ Aggregate for flares, cooling towers, and process vents