

consecutive systems that purchase all their finished water year-round are shown in Tables V-4, V-6, and V-7. Also, the proposed rule language in subparts U and V contains requirements for population-based monitoring similar to what might be required for all systems. EPA believes that through using a broader array of system size

categories than under the plant-based approach, population-based monitoring could result in an equitable proportioning of DBP sampling requirements. Tables V-9 and V-10 compare the proposed numbers of sampling locations per system under a population-based approach with a plant-based approach, using the median

and mean number of plants per system given in Table V-8 for each of the size categories. For surface water systems, the median provides a better indicator of the typical number of required sampling locations under the plant-based approach because it is much less sensitive to systems with a very large number of plants.

TABLE V-9.—COMPARISON OF MONITORING LOCATIONS PER SYSTEM UNDER IDSE FOR PLANT-BASED AND POPULATION-BASED APPROACHES

Source water type	Population size category	Number of sam- pling periods	Plant-based			Population-based
			Number of monitoring lo- cations per plant <sup>1</sup>	Number of monitoring locations per system		Number of moni- toring locations per system <sup>3</sup>
				Based on me- dian number of plants per system <sup>2</sup>	Based on mean number of plants per system <sup>2</sup>	
Subpart H .....	0–499 .....	2	2	2	3	2
	500–4,999 .....	4	2	2	3	2
	5,000–9,999 .....	4	2	2	3	4
	10,000–24,999 .....	6	8	8	16	8
	25,000–49,999 .....	6	8	8	18	12
	50,000–99,999 .....	6	8	16	27	16
	100,000–499,999 .....	6	8	16	24	24
	500,000–1,499,000 .....					32
Ground Water .....	1,500,000–4,999,999 .....	6	8	32	46	40
	≥5,000,000 .....					48
	0–499 .....	2	2	2	2	2
	500–9,999 .....	2	2	2	4	2
	10,000–99,999 .....	4	2	8	9	6
	100,000–499,999 .....	4	2	6	20	8
	≥500,000 .....					12

<sup>1</sup> From Table V-5.

<sup>2</sup> Calculated from the number of locations per plant multiplied by number of plants per system (Table V-8).

<sup>3</sup> From Table V-4.

TABLE V-10.—COMPARISON OF ROUTINE MONITORING LOCATIONS PER SYSTEM UNDER STAGE 2B FOR PLANT-BASED AND POPULATION-BASED APPROACHES

Source water type	Population size category	Frequency of monitoring	Plant-based			Population-based
			Number of monitoring locations per plant <sup>1</sup>	Number of monitoring locations per system		Number of monitoring locations per system <sup>3</sup>
				Based on median number of plants per system <sup>2</sup>	Based on mean number of plants per system <sup>2</sup>	
Subpart H .....	0–499 .....	1	1	1	1	2
	500–4,999 .....	4	2	2	3	2
	5,000–9,999 .....	4	2	2	3	2
	10,000–24,999 .....	4	4	4	8	4
	25,000–49,999 .....	4	4	4	9	6
	50,000–99,999 .....	4	4	8	14	8
	100,000–499,999 .....	4	4	8	12	12
	500,000–1,499,000 .....					16
Ground Water .....	1,500,000–4,999,999 .....	4	4	16	23	20
	≥5,000,000 .....					24
	0–499 .....	1	1	1	1	2
	500–9,999 .....	1	2	2	4	2
	10,000–99,999 .....	4	2	8	9	4
	100,000–499,999 .....	4	2	6	20	6
	≥500,000 .....					8

<sup>1</sup> From Table V-5.

<sup>2</sup> Calculated from the number of locations per plant multiplied by number of plants per system (Table V-8).

<sup>3</sup> From Table V-6.