

VI. Revised Estimates of Costs and Economic Impacts

EPA revised estimates of costs and economic impacts based on the detailed survey results, comments, information from States, and methodological changes (*see* Section V). In the tables presented in Section VI, the options labeled "Option 1", "Option 2", and "Option 3" correspond to the options presented in the proposal, but the revised costs are based on detailed questionnaire data and other factors. EPA also considered two additional sets of requirements listed as "Option A" and "Option B" in the economic analysis. These analyses incorporate costs and loadings that reflect

assumptions for feed conversion ratios (FCR) and production for those facilities that did not report these in the detailed questionnaire (*see* Section V.A.2). For cost annualization and the closure analysis, we used a 7 percent discount rate. Results are in 2001 dollars. Additional details about costs and impacts are provided in the record (DCN 20446). EPA will consider these revised results for all options in its decisions for the final rule.

Table VI.1 summarizes the types of public and private organizations that operate facilities represented in the national population of in scope facilities (*i.e.*, after applying the survey weights). Facilities that might incur costs include all facilities in the proposed

subcategories that are large enough to meet the current CAAP definition. At proposal, EPA proposed to exclude facilities with less than 100,000 pounds of annual production; however, for information purposes, we included these facilities in the Tables in this Section. At proposal, EPA indicated that it would continue to analyze the costs and impacts associated with including such facilities (meeting the CAAP definition) within the scope of the rule. Facilities listed in the tables as not incurring costs would still be within the scope of the rule if they exceed the final production thresholds; however, EPA does not expect that these facilities would have to do anything more to meet the requirements of the regulation.

TABLE VI.1.—ESTIMATED NUMBER AND TYPE OF ORGANIZATIONS

Organization	Estimated number of facilities		
	Would incur costs	Would not incur costs	Total
Commercial	181	15	196
Academic/Research	1	0	1
Government	302	1	303
Tribal	14	0	14
Alaska Non-profits	7	0	7
Total	506	16	522

Note: We calculated the national estimates with survey weights and rounded them to whole numbers in each cell. Numbers may, therefore, not sum due to rounding.

Table VI.2 provides more detailed information on the facilities estimated to incur costs under the rule. There are 141 unweighted facilities (questionnaire respondents) that correspond to a

national estimate of 506 facilities (*see* Section II.D). Table VI.2 further differentiates facilities by production system, size (in terms of lbs/yr production), owner, and the number of facilities that are projected to be baseline closures (assuming cash flow analysis), before we include compliance costs (*see* Section V.C.3.b.i). Table VI.2

also shows the number of facilities we used to derive cost and facility closure results, assuming discounted cash flow analysis. EPA proposed different requirements for the size of facilities. You will find the proposed option for each category in the right-hand column in Table VI.2.

TABLE VI.2.—NUMBER AND TYPE OF FACILITIES

Production system	Size (lbs/yr)	Owner	Estimated number of facilities					Options at proposal
			Potentially in scope	Incur costs	Baseline closures ¹	In cost to-tals ²	In closure analysis ³	
Flow-Through	20,000 to 100,000 ⁴ ..	Commercial	75	75	25	50	45	
		Non-commercial	135	135	0	135	NA	
		Alaska Non-profit	7	7	0	7	NA	
	100,000 to 475,000 ..	Commercial	62	62	8	54	54	
		Non-commercial	121	121	0	121	NA	
		Commercial	26	26	15	11	11	
Recirculating	20,000 to 100,000 ⁴ ..	Non-commercial	46	46	0	46	NA	Option 1. Option 1. Option 3. Option 3.
		Commercial ⁴	6	6	n.d.	n.d.	n.d.	
		Non-commercial	n.d.	n.d.	n.d.	n.d.	n.d.	
	100,000 to 475,000 ..	Commercial	7	7	1	6	6	
		Commercial	n.d.	n.d.	n.d.	n.d.	n.d.	
		Non-commercial	n.d.	n.d.	n.d.	n.d.	n.d.	
Mixed Flow-Through Recirculating.	20,000 to 100,000	Non-commercial	11	11	0	11	NA	
Net Pen	20,000 to 100,000	Non-commercial	1	0	0	n.d.	NA	
	100,000 to 475,000 ..	Commercial	n.d.	n.d.	n.d.	n.d.	n.d.	Option 3
	475,000+	Commercial	15	0	0	0	0	Option 3