

APPENDIX A
SUPPORTING SPREADSHEETS
FOR
INFORMATION COLLECTION REQUEST COSTS
FOR SECTION 316(b) PHASE II

May 2010

Exhibit A.1

Facility Cost and Burden Estimates for NPDES Permit Application Activities for the First Year of Renewal

Exhibit A.1a (renewal)

Start-up Activities

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	CAD Operator	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Burden Per Facility	Labor Cost per Facility	Capital Cost per Facility	O&M Cost per Facility		Total Cost Per Facility	Total Burden (hrs.)	Total Initial Cost
	Year 1	Year 2	Year 3	Total	Assumed Loaded Hourly Rate											Laboratory Analysis	ODCs*			
	A				Level of Effort (hrs)															
					\$98	\$41	\$40	\$122	\$70	\$77	\$42	\$19				B	C			
Read and Understand Rule	113	121	94	328	4	4	0	0	0	0	0	0	8	\$556	\$0	\$0			2,624	\$182,237
Mobilization/Planning	113	121	94	328	1	2	0	0	0	0	0	0	3	\$180	\$0	\$0			984	\$58,974
Training	113	121	94	328	1	1	0	0	0	0	0	0	2	\$139	\$0	\$0			656	\$45,559
Totals	113	121	94	328	6	7	0	0	0	0	0	0	13	\$874	\$0	\$0	\$57	\$931	4,264	\$305,466

Exhibit A.1b

Permit Application Activities

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	CAD Operator	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Burden Per Facility	Labor Cost per Facility	Capital Cost per Facility	O&M Cost per Facility		Total Cost Per Facility	Total Burden (hrs.)	Total Initial Cost
	Year 1	Year 2	Year 3	Total	Assumed Loaded Hourly Rate											Laboratory Analysis	ODCs*			
	A				Level of Effort (hrs)															
					\$98	\$41	\$40	\$122	\$70	\$77	\$42	\$19				B	C			
Statement of Compliance Option Selected	108	106	117	331									0	\$0	\$0	\$0			-	\$0
Source Water Physical Data	108	106	117	331	1	5	12	0	0	0	0	0	18	\$779	\$0	\$0			5,958	\$257,816
Configuration and Location of CWIS	108	106	117	331	1	1	1	0	0	0	0	0	3	\$179	\$0	\$0			993	\$59,117
Facility Water Balance Diagram	108	106	117	331	1	1	1	0	0	0	0	0	3	\$179	\$0	\$0			993	\$59,117
CWIS Operation Narrative	108	106	117	331	12	30	0	0	0	0	0	0	42	\$2,403	\$0	\$0			13,902	\$795,393
CWS Operation Narrative	108	106	117	331	12	30	0	0	0	0	0	0	42	\$2,403	\$0	\$0			13,902	\$795,393
Engineering Calculations	108	106	117	331	6	24	0	0	0	0	0	0	30	\$1,570	\$0	\$0			9,930	\$519,538
Submit Materials for Review by State	108	106	117	331	0	0	0	0	0	0	0	3	3	\$58	\$0	\$0			993	\$19,264
Recordkeeping	108	106	117	331	1	3	1	0	0	0	0	1	6	\$280	\$0	\$0			1,986	\$92,614
Totals	108	106	117	331									147	\$7,850	\$0	\$0	\$285	\$8,135	48,657	\$2,692,586

Water balance diagram is assumed to be taken from the facility design report. The hours reported here are for incorporation of the diagram(s) in the permit.

Exhibit A.1c

Proposal for Collection of Information for Comprehensive Demonstration Study

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	CAD Operator	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Burden Per Facility	Labor Cost per Facility	Capital Cost per Facility	O&M Cost per Facility		Total Cost Per Facility	Total Burden (hrs.)	Total Initial Cost
	Year 1	Year 2	Year 3	Total	Assumed Loaded Hourly Rate											Laboratory Analysis	ODCs*			
	A				Level of Effort (hrs)															
					\$98	\$41	\$40	\$122	\$70	\$77	\$42	\$19				B	C			
Description of Historical Studies that will be Used	86	87	74	247	6	12	0	0	0	0	0	1	19	\$1,098	\$0	\$0			4,693	\$271,255
Description of Proposed and/or Implemented Technologies	86	87	74	247	2	6	0	0	0	0	0	0	8	\$441	\$0	\$0			1,976	\$109,026
Develop Source Water Sampling Plan	86	87	74	247	12	18	2.4	0	0	0	0	1	33	\$2,027	\$0	\$0			8,250	\$500,639
Submit Data and Plans for Review	86	87	74	247	0	0	0	0	0	0	0	4	4	\$78	\$0	\$0			988	\$19,167
Revise Based on State Review	86	87	74	247	2	4.8	1.2	0	0	0	0	1	9	\$459	\$0	\$0			2,223	\$113,462
Recordkeeping	86	87	74	247	1	2	0	0	0	0	0	2	5	\$219	\$0	\$0			1,235	\$53,994
Totals	86	87	74	247									78	\$4,322	\$0	\$0	\$228	\$4,550	19,365	\$1,123,860

Exhibit A.1d

Source Water Body Flow Information

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	CAD Operator	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Burden Per Facility	Labor Cost per Facility	Capital Cost per Facility	O&M Cost per Facility		Total Cost Per Facility	Total Burden (hrs.)	Total Initial Cost
					Assumed Loaded Hourly Rate											Laboratory Analysis	ODCs*			
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$40	\$122	\$70	\$77	\$42	\$19	B	C	D	E	F	C+D+E+F	A*B	A*(C+D)
	A				Level of Effort (hrs)								E		F	C+D+E+F		A*B	A*(C+D)	
Gather Information to Characterize Flow (FW River/Stream)	39	49	42	130	0	9.6	0	0	0	0	0	0	10	\$393	\$0	\$0	\$0		1,248	\$51,043
Water Body Thermal Stratification Narrative (Lake/Reservoir)	18	13	20	51	1.2	12	0	0	0	0	0	0	13	\$608	\$0	\$0	\$0		673	\$31,028
Perform Engineering Calculations	57	62	62	181	2.4	9.6	0	0	0	0	0	0	12	\$628	\$0	\$0	\$0		2,172	\$113,639
Submit Data and Analysis for Review	57	62	62	181	0	0	0	0	0	0	0	4.8	5	\$93	\$0	\$0	\$0		869	\$16,855
Recordkeeping	57	62	62	181	0	1	0	0	0	0	0	2.4	4	\$113	\$0	\$0	\$0		652	\$20,411
Totals	57	62	62	181									31	\$1,287	\$0	\$0	\$114	\$1,401	5,614	\$253,611

Exhibit A.1e

Design and Construction Technology Plan

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	CAD Operator	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Burden Per Facility	Labor Cost per Facility	Capital Cost per Facility	O&M Cost per Facility		Total Cost Per Facility	Total Burden (hrs.)	Total Initial Cost
					Assumed Loaded Hourly Rate											Laboratory Analysis	ODCs*			
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$40	\$122	\$70	\$77	\$42	\$19	B	C	D	E	F	C+D+E+F	A*B	A*(C+D)
	A				Level of Effort (hrs)								E		F	C+D+E+F		A*B	A*(C+D)	
Delineate Hydraulic Zone of Influence	81	72	97	250	1	3	4	0	0	0	0	0	8	\$380	\$0	\$0	\$0		2,000	\$94,875
Develop Narrative Description of Technologies (Impingement)	81	72	97	250	4	8	0	0	0	0	0	0	12	\$719	\$0	\$0	\$0		3,000	\$179,800
Perform Engineering Calculations (Impingement)	81	72	97	250	2	6	0	0	0	0	0	0	8	\$441	\$0	\$0	\$0		2,000	\$110,350
Develop Narrative Description of Technologies (Entrainment)	36	31	37	104	4	8	0	0	0	0	0	0	12	\$719	\$0	\$0	\$0		1,248	\$74,797
Perform Engineering Calculations (Entrainment)	36	31	37	104	2	6	0	0	0	0	0	0	8	\$441	\$0	\$0	\$0		832	\$45,906
Document that Technologies Are Optimal	81	72	97	250	0	20	0	0	0	0	0	3	23	\$876	\$0	\$0	\$0		5,750	\$219,050
Submit Data and Analysis for Review	81	72	97	250	0	0	0	0	0	0	0	3	3	\$58	\$0	\$0	\$0		750	\$14,550
Recordkeeping	81	72	97	250	1	2	0	0	0	0	0	3	6	\$238	\$0	\$0	\$0		1,500	\$59,500
Totals	81	72	97	250									68	\$3,195	\$0	\$0	\$171	\$3,366	17,080	\$841,577

Exhibit A.1f

Impingement Mortality & Entrainment Characterization Study

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	CAD Operator	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Avg. Burden Per Facility over 3 yrs.	Avg. Labor Cost per Facility for 3 yrs.	Capital Cost per Facility	O&M Cost per Facility		Total Cost Per Facility	Total Burden (hrs.) for ICR period	Total Initial Cost (\$) for ICR period
					Assumed Loaded Hourly Rate											Laboratory Analysis	ODCs*			
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$40	\$122	\$70	\$77	\$42	\$19	B	C	D	E	F	C+D+E+F	A*B	A*(C+D)
	A				Level of Effort (hrs)								E		F	C+D+E+F		A*B	A*(C+D)	
Implement Offshore Freshwater Monitoring	93	105	95	105	2	16	0	60	1248	40	1248	10	2624	\$149,954	\$0	\$0	\$0		384,416	\$21,968,320
Impingement Monitoring Freshwater	93	105	95	105	1	5	0	0	0	20	0	5	31	\$1,934	\$0	\$0	\$0		4,542	\$283,258
Entrainment Monitoring Freshwater	93	105	95	105	1	5	0	0	0	20	0	5	31	\$1,934	\$0	\$0	\$0		4,542	\$283,258
Biological Study Laboratory Analysis (Freshwater)	93	105	95	105	0	0	0	0	0	0	0	0	0	\$0	\$0	\$35,599	\$0		-	\$5,215,254
Implement Offshore Marine Monitoring	99	93	105	105	3	30	0	96	2434	60	2434	15	5072	\$288,290	\$0	\$0	\$0		502,128	\$28,540,750
Impingement Monitoring Marine	99	93	105	105	1	9	0	0	0	30	0	8	48	\$2,922	\$0	\$0	\$0		4,752	\$289,308
Entrainment Monitoring Marine	99	93	105	105	1	9	0	0	0	30	0	8	48	\$2,922	\$0	\$0	\$0		4,752	\$289,308
Biological Study Laboratory Analysis (Marine)	99	93	105	105	0	0	0	0	0	0	0	0	0	\$0	\$0	\$69,418	\$0		-	\$6,872,382
Profile of Source Water Biota	86	87	74	247	10	6	0	10	18	0	6	2	52	\$3,983	\$0	\$0	\$0		12,844	\$983,850
Identification of Critical Species	86	87	74	247	10	6	0	6	12	0	0	1	35	\$2,810	\$0	\$0	\$0		8,645	\$694,119
Description of Additional Stresses	86	87	74	247	5	3	0	5	9	0	3	1	26	\$1,992	\$0	\$0	\$0		6,422	\$491,925
Write Study based on Results and Submit for Review by State	81	72	97	250	24	48	0	5	2	2	0	2	83	\$5,256	\$0	\$0	\$0		20,750	\$1,313,975
Recordkeeping	81	72	97	250	2	4	0	2	4	1	0	7	20	\$1,094	\$0	\$0	\$0		5,000	\$273,475
Finalize study based on State review	81	72	97	250	5	10	0	0	0	0	0	2	17	\$938	\$0	\$0	\$0		4,250	\$234,450
Totals	99	105	105	250									3,532	\$204,214	\$0	\$52,509	\$0	\$256,723	963,042	\$67,733,631

**Exhibit A.1g
Verification Monitoring Plan**

Activity	Facilities (Respondents)				Facility	Junior	CAD	Contracted	Biologist	Statistician	Biological	Clerical	Burden Per Facility	Labor Cost per Facility	Capital Cost per Facility	O&M Cost per Facility		Total Cost Per Facility	Total Burden (hrs.)	Total Initial Cost		
	Year 1	Year 2	Year 3	Total	Assumed Loaded Hourly Rate							Laboratory Analysis				ODCs*						
	A				\$98	\$41	\$40	\$122	\$70	\$77	\$42	\$19				B	C				D	E
Develop Verification Monitoring Plan	92	87	101	280	Level of Effort (hrs)							0	\$0	\$0	\$0	\$0	\$0			-	\$0	
Submit Data and Plans for Review	92	87	101	280								0	\$0	\$0	\$0	\$0	\$0			-	\$0	
Revise Based on State Review	92	87	101	280								0	\$0	\$0	\$0	\$0	\$0			-	\$0	
Recordkeeping	92	87	101	280								0	\$0	\$0	\$0	\$0	\$0			-	\$0	
Totals	92	87	101	280								0	\$0	\$0	\$0	\$0	\$0			\$0	-	\$0

Total Labor Burden, Labor Cost, Capital Costs and O&M Costs for All NPDES Application Activities (renewal)

	Facilities (Respondents)																		Total Burden (hrs.)	Total Initial Cost
	Year 1	Year 2	Year 3	Total																
Totals																			1,058,021	\$72,950,731

**Exhibit A.2
Facility Cost and Burden Estimates for Annual Activities**

**Exhibit A.2a
Biological Monitoring for Impingement (Freshwater)**

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Totals Per Facility for the ICR Approval Period					Total for All Facilities in the ICR Approval Period	
					Assumed Loaded Hourly Rate							Burden (hrs)	Labor Cost	O & M Costs		Total Costs**	Burden (hrs.)	Total Cost (\$)
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$122	\$70	\$77	\$42	\$19			Laboratory Analyses	ODCs*			
	A				Level of Effort (hrs)							B	C			D	E	
Monthly Sample Collection	290	290	290	290	2	0	4	72	0	72	0	150	\$8,676				130,500	\$7,547,772
Onsite Analysis of Samples	290	290	290	290	4	0	12	72	0	72	0	160	\$9,847				139,200	\$8,566,716
Perform Statistical Analysis	290	290	290	290	8	4	0	0	32	0	0	44	\$3,402				38,280	\$2,959,740
Recordkeeping	290	290	290	290	2	1	1	4	1	0	16	25	\$1,024				21,750	\$890,793
Totals	290	290	290	290	16	5	17	148	33	144	16	379	\$22,948	\$0	\$571	\$23,519	329,730	\$20,461,791

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**Exhibit A.2b
Biological Monitoring for Impingement (Marine)**

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Totals Per Facility for the ICR Approval Period					Total for All Facilities in the ICR Approval Period	
					Assumed Loaded Hourly Rate							Burden (hrs)	Labor Cost	O & M Costs		Total Costs**	Burden (hrs.)	Total Cost (\$)
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$122	\$70	\$77	\$42	\$19			Laboratory Analyses	ODCs*			
	A				Level of Effort (hrs)							B	C			D	E	
Monthly Sample Collection	165	165	165	165	2	0	5	94	0	94	0	194	\$11,219				96,228	\$5,553,643
Onsite Analysis of Samples	165	165	165	165	4	0	16	94	0	94	0	207	\$12,683				102,366	\$6,278,204
Perform Statistical Analysis	165	165	165	165	8	4	0	0	42	0	0	54	\$4,138				26,532	\$2,048,468
Recordkeeping	165	165	165	165	2	1	1	5	1	0	16	27	\$1,167				13,266	\$577,606
Totals	165	165	165	165	16	5	22	192	43	187	16	482	\$29,208	\$0	\$742	\$29,950	238,392	\$14,825,210

**Exhibit A.2c
Biological Monitoring for Entrainment (Freshwater)**

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Totals Per Facility for the ICR Approval Period					Total for All Facilities in the ICR Approval Period	
					Assumed Loaded Hourly Rate							Burden (hrs)	Labor Cost	O & M Costs		Total Costs**	Burden (hrs.)	Total Cost (\$)
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$122	\$70	\$77	\$42	\$19			Laboratory Analyses	ODCs*			
	A				Level of Effort (hrs)							B	C			D	E	
Biweekly Sample Collection	290	290	290	290	4	0	12	156	0	156	0	328	\$19,171				285,360	\$16,678,596
Handling and Preparation of Samples	290	290	290	290	4	0	12	78	0	78	0	172	\$10,513				149,640	\$9,146,136
Laboratory Analysis to Identify & Enumerate Entrained Freshwater Biota	290	290	290	290	0	0	0	0	0	0	0	0	\$0	\$8,900			-	\$7,743,000
Perform Statistical Analysis	290	290	290	290	16	4	0	0	64	0	0	84	\$6,640				73,080	\$5,777,148
Recordkeeping	290	290	290	290	2	1	1	8	2	0	16	30	\$1,379				26,100	\$1,199,382
Totals	290	290	290	290	26	5	25	242	66	234	16	614	\$37,703	\$8,900	\$1,141	\$38,844	534,180	\$41,536,932

**Exhibit A.2d
Biological Monitoring for Entrainment (Marine)**

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Totals Per Facility for the ICR Approval Period					Total for All Facilities in the ICR Approval Period	
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$122	\$70	\$77	\$42	\$19	Burden (hrs)	Labor Cost	O & M Costs		Total Costs**	Burden (hrs.)	Total Cost (\$)
	A				Assumed Loaded Hourly Rate									Laboratory Analyses	ODCs*			
	Level of Effort (hrs)				B	C	D	E	C+D+E	A*B	A*(C+D)							
Biweekly Sample Collection	165	165	165	165	4	0	12	203	0	203	0	422	\$24,388				208,890	\$12,071,961
Handling and Preparation of Samples	165	165	165	165	4	0	12	101	0	101	0	218	\$13,066				107,910	\$6,467,571
Laboratory Analysis to Identify & Enumerate Entrained Marine Biota	165	165	165	165	0	0	0	0	0	0	0	0	\$0	\$11,570			-	\$5,727,150
Perform Statistical Analysis	165	165	165	165	16	4	0	0	83	0	0	103	\$8,098				50,985	\$4,008,362
Recordkeeping	165	165	165	165	2	1	1	10	3	0	16	33	\$1,594				16,335	\$789,179
Totals	165	165	165	165	26	5	25	314	86	304	16	776	\$47,146	\$11,570	\$1,312	\$48,458	384,120	\$29,713,662

**Exhibit A.2e
Bi-Annual Status Report Activities**

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Totals Per Facility for the ICR Approval Period					Total for All Facilities in the ICR Approval Period	
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$122	\$70	\$77	\$42	\$19	Burden (hrs)	Labor Cost	O & M Costs		Total Costs**	Burden (hrs.)	Total Cost (\$)
	A				Assumed Loaded Hourly Rate									Laboratory Analyses	ODCs*			
	Level of Effort (hrs)				B	C	D	E	C+D+E	A*B	A*(C+D)							
Report on Inspection and Maintenance	455	455	455	455	16	16	0	0	0	0	0	32	\$2,222				43,680	\$3,033,576
Detail Biological Monitoring Results	455	455	455	455	24	32	4	4	24	0	0	88	\$6,267				120,120	\$8,554,728
Compile and Submit Report	228	228	228	228	80	80	0	0	0	0	16	176	\$11,422				120,384	\$7,812,922
Recordkeeping	455	455	455	455	8	12	0	0	0	0	8	28	\$1,430				38,220	\$1,951,950
Totals	455	455	455	455	128	140	4	4	24	0	24	236	\$21,342	\$0	\$856	\$22,198	322,404	\$22,521,616

**Exhibit A.2f
Verification Study**

Activity	Facilities (Respondents)				Facility Manager	Junior Technical	Contracted Manager	Biologist	Statistician	Biological Technician	Clerical	Totals Per Facility for the ICR Approval Period					Total for All Facilities in the ICR Approval Period	
	Year 1	Year 2	Year 3	Total	\$98	\$41	\$122	\$70	\$77	\$42	\$19	Burden (hrs)	Labor Cost	O & M Costs		Total Costs**	Burden (hrs.)	Total Cost (\$)
	A				Assumed Loaded Hourly Rate									Laboratory Analyses	ODCs*			
	Level of Effort (hrs)				B	C	D	E	C+D+E	A*B	A*(C+D)							
Perform Statistical Analysis	175	190	179	190	25	30	15	15	25	0	1	111	\$8,485				60,384	\$4,615,786
Submit Monitoring Results & Study Analysis	101	77	98	276	0	0	0	0	0	0	4	4	\$78				1,104	\$21,418
Recordkeeping	175	190	179	190	1	2	0	0	0	0	4	7	\$257				3,808	\$140,026
Totals	175	190	179	190	26	32	15	15	25	0	9	122	\$8,820	\$0	\$571	\$9,391	65,296	\$5,087,853

Total Burden and Cost for All Annual Activities

Facilities (Respondents)				Total Burden (hrs.)	Total Cost (\$)
Year 1	Year 2	Year 3	Total		
Totals				1,874,122	\$134,147,064

* The ODC estimate was not estimated for each activity, but rather as a lump sum for each provision of the rule.

** There were no estimated Capital costs for any annual activities performed by facilities.

**Exhibit A.3
States Director Burden and Cost Estimates for Activities**

Exhibit A.3a (States)

[Exhibit A.3a (States) is reserved for future use]

Exhibit A.3b (States)

States Director Permit Issuance Activities (renewal)

Activity	Directors (Responses)	Senior	Junior	Clerical	Burden Per Permit	Labor Cost per Permit	O&M Costs*	Total Cost Per Director**	Total Burden (hrs.)	Total Initial Cost*
		Technical	Technical							
		Assumed Loaded Hourly Rate								
	\$62	\$37	\$29							
	A	Level of Effort (hrs)			B	C	D	C+D	A*B	A*(C+D)
Review Source Water Physical Data	320	1	2	0	3	\$137			960	\$43,680
Review CWIS Data	320	2	5	0	7	\$310			2,240	\$99,328
Review CWS Operation Narrative	320	2	5	0	7	\$310			2,240	\$99,328
Review Proposal for Collection of Information for Comprehensive Demonstration	237	5	5	0	10	\$496			2,370	\$117,434
Review Source Water Body Flow Information	178	1	2	0	3	\$137			534	\$24,297
Review Design and Construction Technology Plan	240	7	2	0	9	\$507			2,160	\$121,608
Review Impingement Mortality & Entrainment Characterization Study	240	120	15	0	135	\$7,965			32,400	\$1,911,600
Review Pilot Study for New Impingement & Entrainment Technology	-	5	5	0	10	\$496			-	\$0
Review Information to Support Site-Specific Determination of BTA	97	240	60	0	300	\$17,052			29,100	\$1,654,044
Determine Monitoring Frequency	320	1	2	0	3	\$137			960	\$43,680
Determine Record keeping and Reporting Frequency	320	1	2	0	3	\$137			960	\$43,680
Establish Requirements for Site-Specific Technology	97	2	7	0	9	\$385			873	\$37,364
Considering Public Comments	320	5	5	0	10	\$496			3,200	\$158,560
Issuing Permit	320	0	2	0	2	\$75			640	\$23,936
Recordkeeping	320	0	0	1	1	\$29			320	\$9,152
Totals	320	392	119	1	256	\$14,108	\$342	\$14,450	78,957	\$4,497,131

**Exhibit A.3c (States)
Verification Study Review**

Activity	Directors (Responses)	Senior Technical	Junior Technical	Clerical	Burden Per Permit	Labor Cost per Permit	O&M Costs*	Total Cost Per Director**	Total Burden (hrs.)	Total Initial Cost
		Assumed Loaded Hourly Rate								
		\$62	\$37	\$29						
		Level of Effort (hrs)								
A	B			C	D	C+D	A*B	A*(C+D)		
Review of Verification Studies	267	2	4	0	6	\$273		1602	\$72,891	
Permit Modification Due to Unfavorable Results	267	4	10	0	14	\$621		3738	\$165,754	
Recordkeeping	267	0	0	1	1	\$29		267	\$7,636	
Totals	267	6	14	1	21	\$922	\$11	\$933	5607	\$249,000

**Exhibit A.3d (States)
Annual States Director Activities**

Activity	Directors (Responses)	Senior Technical	Junior Technical	Clerical	Burden Per Permit	Labor Cost per Permit	ODCs lump sum*	O&M Costs*	Total Cost Per Director**	Total Annual Cost
		Assumed Loaded Hourly Rate								
		\$62	\$37	\$29						
		Level of Effort (hrs)								
A	B			C	D	C+D	A*B	A*(C+D)		
Review of Bi-Annual Status Report	660	6	12	0	18	\$819		11,880	\$540,540	
Compliance Tracking	1,320	4	12	0	16	\$696		21,120	\$918,192	
Determination on Monitoring Frequency Reduction	1,320	4	8	0	12	\$546		15,840	\$720,720	
Recordkeeping	1,320	1	2	1	4	\$165		5,280	\$217,932	
Totals	1,320	15	34	1	41	\$2,226	\$29	\$2,255	54,120	\$2,435,664

Total Burden and Cost for All State Director Activities

				Total Burden (hrs.)	Total Initial Cost
Totals				138,684	7,181,795

* The O&M costs incurred by directors are all ODCs. The ODC estimate was not estimated for each activity, but rather as a lump sum for each provision of the rule.

** There were no estimated Capital costs for any activities performed by directors.

**Exhibit A.3
Federal Director Burden and Cost Estimates for Activities**

Exhibit A.3a (Federal)

[Exhibit A.3a (Federal) is reserved for future use]

Exhibit A.3b (Federal)

Federal Director Permit Issuance Activities (renewal)

Activity	Directors (Responses)	Senior	Junior	Clerical	Burden Per Permit	Labor Cost per Permit	O&M Costs*	Total Cost Per Director**	Total Burden (hrs.)	Total Initial Cost*
		Technical	Technical							
		Assumed Loaded Hourly Rate								
		\$62	\$37	\$29						
	A	Level of Effort (hrs)			B	C	D	C+D	A*B	A*(C+D)
Review Source Water Physical Data	11	1	2	0	3	\$137			33	\$1,502
Review CWIS Data	11	2	5	0	7	\$310			77	\$3,414
Review CWS Operation Narrative	11	2	5	0	7	\$310			77	\$3,414
Review Proposal for Collection of Information for Comprehensive Demonstration	10	5	5	0	10	\$496			100	\$4,955
Review Source Water Body Flow Information	3	1	2	0	3	\$137			9	\$410
Review Design and Construction Technology Plan	10	7	2	0	9	\$507			90	\$5,067
Review Impingement Mortality & Entrainment Characterization Study	10	120	15	0	135	\$7,965			1,350	\$79,650
Review Pilot Study for New Impingement & Entrainment Technology	-	5	5	0	10	\$496			-	\$0
Review Information to Support Site-Specific Determination of BTA	7	240	60	0	300	\$17,052			2,100	\$119,364
Determine Monitoring Frequency	11	1	2	0	3	\$137			33	\$1,502
Determine Record keeping and Reporting Frequency	11	1	2	0	3	\$137			33	\$1,502
Establish Requirements for Site-Specific Technology	7	2	7	0	9	\$385			63	\$2,696
Considering Public Comments	11	5	5	0	10	\$496			110	\$5,451
Issuing Permit	11	0	2	0	2	\$75			22	\$823
Permit Record Keeping	11	0	0	1	1	\$29			11	\$315
Totals	11	392	119	1	378	\$21,100	\$342	\$21,442	4,108	\$233,825

**Exhibit A.3c (Federal)
Verification Study Review**

Activity	Directors (Responses)	Senior Technical	Junior Technical	Clerical	Burden Per Permit	Labor Cost per Permit	O&M Costs*	Total Cost Per Director**	Total Burden (hrs.)	Total Initial Cost
		62								
		\$62	\$37	\$29						
A	Level of Effort (hrs)				B	C	D	C+D	A*B	A*(C+D)
Review of Verification Studies	9	2	4	0	6	\$273	-	-	54	\$2,457
Permit Modification Due to Unfavorable Results	9	4	10	0	14	\$621	-	-	126	\$5,587
Record Keeping	9	0	0	1	1	\$29	-	-	9	\$257
Totals	9	6	14	1	21	\$922	\$11	\$933	189	\$8,000

**Exhibit A.3d (Federal)
Annual States Director Activities**

Activity	Directors (Responses)	Senior Technical	Junior Technical	Clerical	Burden Per Permit	Labor Cost per Permit	ODCs lump sum*	O&M Costs*	Total Cost Per Director**	Total Annual Cost
		Assumed Loaded Hourly Rate								
		\$62	\$37	\$29						
A	Level of Effort (hrs)				B	C	D	C+D	A*B	A*(C+D)
Review of Bi-Annual Status Report	24	6	12	0	18	\$819	-	-	432	\$19,656
Compliance Tracking	45	4	12	0	16	\$696	-	-	720	\$31,302
Determination on Monitoring Frequency Reduction	45	4	8	0	12	\$546	-	-	540	\$24,570
Record Keeping	45	1	2	1	4	\$165	-	-	180	\$7,430
Totals	45	15	34	1	50	\$2,226	\$29	\$2,255	1,872	\$84,263

Total Burden and Cost for All Federal Director Activities

				Total Burden (hrs.)	Total Initial Cost
Totals				6,169	326,088

* The O&M costs incurred by directors are all ODCs. The ODC estimate was not estimated for each activity, but rather as a lump sum for each provision of the rule.

** There were no estimated Capital costs for any activities performed by directors.

Exhibit A.4
[Exhibit A.4 is reserved for future use]

**Exhibit A.5
Respondents for the ICR Period Year by Year by Activity**

Facilities (approval and renewal)

	Year 1	Year 2	Year 3	Annual Average ¹
	Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Start-up Activities	113	121	94	109
Permit Application Activities	108	106	117	110
Proposal for Collection of Information for Comprehensive Demonstration Study	86	87	74	82
FW River/Stream Source Water Body Flow Information	39	49	42	43
FW Lake/Reservoir Source Water Body Flow Information	18	13	20	17
Design and Construction Technology Plan (Impingement Only)	45	41	60	49
Design and Construction Technology Plan (Impingement & Entrainment)	36	31	37	35
Freshwater Monitoring for Impingement Mortality & Entrainment Characterization Study	93	105	95	98
Marine Monitoring for Impingement Mortality & Entrainment Characterization Study	99	93	105	99
Impingement Mortality & Entrainment Characterization Study Initial Analysis	86	87	74	82
Impingement Mortality & Entrainment Characterization Study Final Report	81	72	97	83
Pilot Study Impingement Monitoring Only (Freshwater)	0	0	0	0
Pilot Study Impingement & Entrainment Monitoring (Freshwater)	0	0	0	0
Pilot Study Impingement Monitoring Only (Marine)	0	0	0	0
Pilot Study Impingement & Entrainment Monitoring (Marine)	0	0	0	0
Verification Monitoring Plan	92	87	101	93
Biological Monitoring for Impingement (Freshwater)	290	290	290	290
Biological Monitoring for Impingement (Marine)	165	165	165	165
Biological Monitoring for Entrainment (Freshwater)	290	290	290	290
Biological Monitoring for Entrainment (Marine)	165	165	165	165
Bi-Annual Status Report Activities	455	455	455	455
Verification Study	175	190	179	181
Respondents	471	474	471	472

State Directors (approval and renewal)

	Year 1	Year 2	Year 3	Annual Average ²
	Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Director Start-up Activities	0	0	0	0
Director Permit Issuance Activities	0	0	0	0
Review Permit Application Information	104	103	113	107
Review Proposal for Collection of Information for Comprehensive Demonstration Study	81	83	73	79
Review Source Water Body Flow Information	57	60	61	59
Review Design and Construction Technology Plan	78	69	93	80
Review Impingement Mortality & Entrainment Characterization Study	78	69	93	80
Review Pilot Study for New Impingement & Entrainment Technology	0	0	0	0
Review Information to Support Site-Specific Determination of BTA	34	29	34	32
Determine Monitoring Frequency	104	103	113	107
Determine Permit Requirements and Issue Permit	104	103	113	107
Verification Study Review	97	74	96	89
Alternative Regulatory Requirements	0	0	0	0
Annual Director Activities	0	0	0	0
Review of Yearly Status Report	440	440	440	440
Compliance Tracking	440	440	440	440
Determination on Monitoring Frequency Reduction	440	440	440	440
Record Keeping	440	440	440	440
Respondents	42	42	42	42

Sum for Facilities and Directors (approval and renewal)

	Year 1	Year 2	Year 3	Annual Average
	Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Facilities	471	474	471	472
State Directors	42	42	42	42
Yearly Total	513	516	513	514

[1] Each facility is one respondent. One respondent may be involved in more than one activity; however, in order to avoid double-counting, the maximum number of respondents expected to be involved in the rule activities annually is assumed to be the number of respondents for that year.

[2] Each Director is one respondent.

**Exhibit A.6
Responses for the ICR Period Year by Year by Activity**

Facilities

	Year 1	Year 2	Year 3	Annual Average
	Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Start-up Activities	113	121	94	109
Permit Application Activities	108	106	117	110
Proposal for Collection of Information for Comprehensive Demonstration Study	86	87	74	82
FW River/Stream Source Water Body Flow Information	39	49	42	43
FW Lake/Reservoir Source Water Body Flow Information	18	13	20	17
Design and Construction Technology Plan (Impingement Only)	45	41	60	49
Design and Construction Technology Plan (Impingement & Entrainment)	36	31	37	35
Freshwater Monitoring for Impingement Mortality & Entrainment Characterization Study	93	105	95	98
Marine Monitoring for Impingement Mortality & Entrainment Characterization Study	99	93	105	99
Impingement Mortality & Entrainment Characterization Study Initial Analysis	86	87	74	82
Impingement Mortality & Entrainment Characterization Study Final Report	81	72	97	83
Pilot Study Impingement Monitoring Only (Freshwater)	0	0	0	0
Pilot Study Impingement & Entrainment Monitoring (Freshwater)	0	0	0	0
Pilot Study Impingement Monitoring Only (Marine)	0	0	0	0
Pilot Study Impingement & Entrainment Monitoring (Marine)	0	0	0	0
Information to Support Site-Specific Determination of BTA	36	31	37	35
Site-Specific Technology Plan	36	31	37	35
Verification Monitoring Plan	92	87	101	93
Biological Monitoring for Impingement (Freshwater)	290	290	290	290
Biological Monitoring for Impingement (Marine)	165	165	165	165
Biological Monitoring for Entrainment (Freshwater)	290	290	290	290
Biological Monitoring for Entrainment (Marine)	165	165	165	165
Bi-Annual Status Report Activities	455	455	455	455
Verification Study	175	190	179	181
Responses	2,508	2,509	2,534	2,517

State Directors

	Year 1	Year 2	Year 3	Annual Average
	Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Director Start-up Activities	0	0	0	0
Director Permit Issuance Activities				
Review Permit Application Information	104	103	113	107
Review Proposal for Collection of Information for Comprehensive Demonstration Study	81	83	73	79
Review Source Water Body Flow Information	57	60	61	59
Review Design and Construction Technology Plan	78	69	93	80
Review Impingement Mortality & Entrainment Characterization Study	78	69	93	80
Review Pilot Study for New Impingement & Entrainment Technology	0	0	0	0
Review Information to Support Site-Specific Determination of BTA	34	29	34	32
Determine Monitoring Frequency	104	103	113	107
Determine Permit Requirements and Issue Permit	104	103	113	107
Verification Study Review	97	74	96	89
Alternative Regulatory Requirements	0	0	0	0
Annual Director Activities				
Review of Bi-Annual Status Report	440	440	440	440
Compliance Tracking	440	440	440	440
Determination on Monitoring Frequency Reduction	440	440	440	440
Record Keeping	440	440	440	440
Responses	2,497	2,453	2,549	2,500

Sum for Facilities and Directors

	Year 1	Year 2	Year 3	Annual Average
	Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Facilities	2,508	2,509	2,534	2,517
State Directors	2,497	2,453	2,549	2,500
Yearly Total	5,005	4,962	5,083	5,017

Exhibit A.7

Hourly Burden for the ICR Period Year by Year for Facilities

Facility Activities

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
NPDES Permit Application Activities					
Start-up Activities	A1a	1,469	1,573	1,222	1,421
Permit Application Activities	A1b	15,876	15,582	17,199	16,219
Proposal for Collection of Information for Comprehensive Demonstration					
Study	A1c	6,742	6,821	5,802	6,455
FW River/Stream Source Water Body Flow Information	A1d	1,170	1,470	1,260	1,300
FW Lake/Reservoir Source Water Body Flow Information	A1d	605	437	672	571
Design and Construction Technology Plan (Impingement Only)	A1e	2,700	2,460	3,600	2,920
Design and Construction Technology Plan (Impingement & Entrainment)	A1e	2,880	2,480	2,960	2,773
Freshwater Monitoring for Impingement Mortality & Entrainment					
Characterization Study	A1f	124,899	141,015	127,585	131,166
Marine Monitoring for Impingement Mortality & Entrainment Characterization					
Study	A1f	170,544	160,208	180,880	170,544
Impingement Mortality & Entrainment Characterization Study Initial Analysis	A1f	9,718	9,831	8,362	9,304
Impingement Mortality & Entrainment Characterization Study Final Report	A1f	9,720	8,640	11,640	10,000
Pilot Study Impingement Monitoring Only (Freshwater) for Pilot Study	A1g	0	0	0	0
Pilot Study Impingement & Entrainment Monitoring (Freshwater) for Pilot					
Study	A1g	0	0	0	0
Pilot Study Impingement Monitoring Only (Marine) for Pilot Study	A1g	0	0	0	0
Pilot Study Impingement & Entrainment Monitoring (Marine) for Pilot Study	A1g	0	0	0	0
Verification Monitoring Plan	A1h	0	0	0	0
NPDES Permit Application Activity Total		346,323	350,517	361,182	352,674
Annual Activities					
Biological Monitoring for Impingement (Freshwater)	A2a	109,910	109,910	109,910	109,910
Biological Monitoring for Impingement (Marine)	A2b	79,464	79,464	79,464	79,464
Biological Monitoring for Entrainment (Freshwater)	A2c	178,060	178,060	178,060	178,060
Biological Monitoring for Entrainment (Marine)	A2d	128,040	128,040	128,040	128,040
Bi-Annual Status Report Activities	A2e	107,380	107,380	107,380	107,380
Verification Study	A2f	21,054	22,728	21,514	21,765
Annual Activity Yearly Labor Total		623,908	625,582	624,368	624,619
Yearly Labor Total		970,231	976,099	985,550	977,293

Exhibit A.8
Hourly Burden for the ICR Period Year by Year
for State Directors and Federal Government

State Director Activities

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Director Start-up Activities	A3a (state)	0	0	0	0
Director Permit Issuance Activities	A3b (state)	26,463	23,615	28,879	26,319
Verification Study Review	A3c (state)	2,037	1,554	2,016	1,869
Alternative Regulatory Requirements	A3d (state)	0	0	0	0
Annual Director Activities	A3e (state)	18,040	18,040	18,040	18,040
Yearly Total		46,540	43,209	48,935	46,228

Federal Director Activities

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Director Start-up Activities	A3a (federal)	0	0	0	0
Director Permit Issuance Activities	A3b (federal)	1,244	1,204	1,660	91,931
Verification Study Review	A3c (federal)	84	63	42	3,066
Alternative Regulatory Requirements	A3d (federal)	0	0	0	0
Annual Director Activities	A3e (federal)	750	750	750	18,500
Yearly Total		2,078	2,017	2,452	2,182

Exhibit A.9

Costs for the ICR Period Year by Year for Facilities

Facility Activities

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
NPDES Permit Application Activities					
Start-up Activities	A1a	\$98,796	\$105,790	\$82,184	\$95,590
Permit Application Activities	A1b	\$847,768	\$832,068	\$918,415	\$866,084
Proposal for Collection of Information for Comprehensive Demonstration Study	A1c	\$371,695	\$376,017	\$319,831	\$355,848
FW River/Stream Source Water Body Flow Information	A1d	\$47,828	\$60,092	\$51,508	\$53,143
FW Lake/Reservoir Source Water Body Flow Information	A1d	\$25,958	\$18,748	\$28,843	\$24,516
Design and Construction Technology Plan (Impingement Only)	A1e	\$122,063	\$111,213	\$162,750	\$132,008
Design and Construction Technology Plan (Impingement & Entrainment)	A1e	\$139,432	\$120,066	\$143,305	\$134,267
Freshwater Monitoring for Impingement Mortality & Entrainment Characterization Study	A1f	\$7,152,695	\$8,075,624	\$7,306,517	\$7,511,612
Marine Monitoring for Impingement Mortality & Entrainment Characterization Study	A1f	\$9,706,455	\$9,118,185	\$10,294,725	\$9,706,455
Impingement Mortality & Entrainment Characterization Study Initial Analysis	A1f	\$755,510	\$764,295	\$650,090	\$723,298
Impingement Mortality & Entrainment Characterization Study Final Report	A1f	\$590,296	\$524,707	\$706,897	\$607,300
Pilot Study Impingement Monitoring Only (Freshwater) for Pilot Study	A1g	\$0	\$0	\$0	\$0
Pilot Study Impingement & Entrainment Monitoring (Freshwater) for Pilot Study	A1g	\$0	\$0	\$0	\$0
Pilot Study Impingement Monitoring Only (Marine) for Pilot Study	A1g	\$0	\$0	\$0	\$0
Pilot Study Impingement & Entrainment Monitoring (Marine) for Pilot Study	A1g	\$0	\$0	\$0	\$0
Verification Monitoring Plan	A1h	\$0	\$0	\$0	\$0
NPDES Permit Application Activity Total		\$19,858,496	\$20,106,805	\$20,665,064	\$20,210,121
Annual Activities					
Biological Monitoring for Impingement (Freshwater)	A2a	\$6,655,007	\$6,655,007	\$6,655,007	\$6,655,007
Biological Monitoring for Impingement (Marine)	A2b	\$4,819,307	\$4,819,307	\$4,819,307	\$4,819,307
Biological Monitoring for Entrainment (Freshwater)	A2c	\$10,933,754	\$10,933,754	\$10,933,754	\$10,933,754
Biological Monitoring for Entrainment (Marine)	A2d	\$7,779,024	\$7,779,024	\$7,779,024	\$7,779,024
Bi-Annual Status Report Activities	A2e	\$9,710,610	\$9,710,610	\$9,710,610	\$9,710,610
Verification Study	A2f	\$1,537,740	\$1,667,012	\$1,572,477	\$1,592,410
Annual Activity Yearly Labor Total		\$41,435,442	\$41,564,714	\$41,470,178	\$41,490,111
Yearly Labor Total		\$61,293,937	\$61,671,519	\$62,135,242	\$61,700,233

Facility O&M

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
NPDES Application					
Purchase, Installation & Operation of Pilot Study Technology-Freshwater Impingement and Entrainment	A1g	\$0	\$0	\$0	\$0
Purchase, Installation & Operation of Pilot Study Technology-Freshwater-Impingement Only	A1g	\$0	\$0	\$0	\$0
Purchase, Installation & Operation of Pilot Study Technology-Marine Impingement and Entrainment	A1g	\$0	\$0	\$0	\$0
Purchase, Installation & Operation of Pilot Study Technology-Marine- Impingement Only	A1g	\$0	\$0	\$0	\$0
Biological Study Laboratory Analysis (Freshwater)	A1f	\$1,655,354	\$1,868,948	\$1,690,953	\$1,738,418
Biological Study Laboratory Analysis (Marine)	A1f	\$2,290,794	\$2,151,958	\$2,429,630	\$2,290,794
Pilot Study Entrainment Laboratory Analysis (Freshwater)	A1g	\$0	\$0	\$0	\$0
Pilot Study Entrainment Laboratory Analysis (Marine)	A1g	\$0	\$0	\$0	\$0
Other Direct Costs	A.1a-h	\$77,178	\$76,323	\$79,230	\$77,577
Annual		\$0	\$0	\$0	\$0
Laboratory Analysis to Identify & Enumerate Entrained Freshwater Biota	A2c	\$2,581,000	\$2,581,000	\$2,581,000	\$2,581,000
Laboratory Analysis to Identify & Enumerate Entrained Marine Biota	A2d	\$1,909,050	\$1,909,050	\$1,909,050	\$1,909,050
Other Direct Costs	A.2a-f	\$1,324,795	\$1,333,360	\$1,327,079	\$1,328,411
Equipment Cost Subtotal		\$0	\$0	\$0	\$0
Laboratory Analysis Subtotal		\$8,436,198	\$8,510,956	\$8,610,633	\$8,519,262
Other Direct Costs Subtotal		\$1,401,973	\$1,409,683	\$1,406,309	\$1,405,988
Yearly O&M Total		\$9,838,171	\$9,920,639	\$10,016,942	\$9,925,250

Exhibit A.10
Costs for the ICR Period Year by Year
for State Directors and Federal Government

State Director Activities

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Director Start-up Activities	A3a (state)	\$0	\$0	\$0	\$0
Director Permit Issuance Activities	A3b (state)	\$1,471,010	\$1,307,350	\$1,609,331	\$1,462,564
Verification Study Review	A3c (state)	\$89,473	\$68,258	\$88,550	\$82,094
Alternative Regulatory Requirements	A3d (state)	\$0	\$0	\$0	\$0
Annual Director Activities	A3e (state)	\$979,308	\$979,308	\$979,308	\$979,308
Yearly Total		\$2,539,791	\$2,354,916	\$2,677,189	\$2,523,965

State Director O&M

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Start-Up & NPDES Application					
Annual Other Direct Costs	A3a-d (state)	\$36,635	\$36,040	\$39,702	\$37,459
Other Direct Costs	A3e (state)	\$12,760	\$12,760	\$12,760	\$12,760
Yearly O&M Cost Total		\$49,395	\$48,800	\$52,462	\$50,219

Federal Director Activities

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Director Start-up Activities	A3a (federal)	\$0	\$0	\$0	\$0
Director Permit Issuance Activities	A3b (federal)	\$69,284	\$67,432	\$93,347	\$76,688
Verification Study Review	A3c (federal)	\$3,690	\$2,767	\$1,845	\$2,767
Alternative Regulatory Requirements	A3d (federal)	\$0	\$0	\$0	\$0
Annual Director Activities	A3e (federal)	\$33,386	\$33,386	\$33,386	\$33,386
Yearly Total		\$106,359	\$103,585	\$128,578	\$112,840

Federal Director O&M

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013	
Start-Up & NPDES Application					
Annual Other Direct Costs	A3a-d (federal)	\$1,412	\$1,059	\$1,390	\$1,287
Other Direct Costs	A3e (federal)	\$435	\$435	\$435	\$435
Yearly O&M Cost Total		\$1,847	\$1,494	\$1,825	\$1,722

**Exhibit A.11
Summary of the Burden, Respondents, Responses, and
Costs for the ICR Period by Year and Annual Averages**

Facilities

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average	Three Year Total ¹
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013		
Burden (hours)	A7	970,231	976,099	985,550	977,293	2,931,879
Respondents (number)	A5	471	474	471	472	506
Responses (number)	A6	2,508	2,509	2,534	2,517	7,551
Costs (labor)	A9	\$61,293,937	\$61,671,519	\$62,135,242	\$61,700,233	\$185,100,698
Costs (Equipment)	A9	\$0	\$0	\$0	\$0	\$0
Costs (Lab Analysis)	A9	\$8,436,198	\$8,510,956	\$8,610,633	\$8,519,262	\$25,557,786
Costs (Other Direct Costs)	A9	\$1,401,973	\$1,409,683	\$1,406,309	\$1,405,988	\$4,217,965
Total Costs		\$71,132,108	\$71,592,158	\$72,152,183	\$71,625,483	\$214,876,449

[1] Each facility is one respondent. One respondent may perform activities in more than one year. So to avoid double-counting, the respondent 3 year total, is the total number of facilities that must perform one or more activities during the ICR approval period.

Directors

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average	Three Year Total ¹
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013		
Burden (hours)	A8	46,540	43,209	48,935	46,228	138,684
Respondents (number)	A5	42	42	42	42	42
Responses (number)	A6	2,497	2,453	2,549	2,500	7,499
Costs(labor)	A10	\$2,539,791	\$2,354,916	\$2,677,189	\$2,523,965	\$7,571,896
Costs (Other Direct Costs)	A10	\$49,395	\$48,800	\$52,462	\$50,219	\$150,657
Total Costs		\$2,589,186	\$2,403,716	\$2,729,651	\$2,574,184	\$7,722,553

[1] Each director is one respondent. One respondent may perform activities in more than one year. So to avoid double-counting, the respondent 3 year total, is the total number of directors that must perform one or more activities during the ICR approval period.

Federal Government

	Source (Exhibit)	Year 1	Year 2	Year 3	Annual Average	Three Year Total
		Mar. 2010 - Feb. 2011	Mar. 2011 - Feb. 2012	Mar. 2012 - Feb. 2013		
Burden (hours)	A8	2,078	2,017	2,452	2,182	6,547
Costs(labor)	A10	\$106,359	\$103,585	\$128,578	112,840	338,521
Costs (O&M)	A10	\$1,847	\$1,494	\$1,825	1,722	5,166
Total Costs		\$108,206	\$105,079	\$130,403	\$114,562	\$343,687

Totals for Respondents (Facilities and Directors)*

	Annual Average	Three Year Total
Total Respondent Burden (hours)	1,023,521	3,070,563
Total Respondents (number)	514	548
Total Respondent Labor Costs	\$64,224,198	\$192,672,594
Total Respondent Capital and O&M Costs	\$9,975,469	\$29,926,408
Total Respondent Cost for All Activities	\$74,199,667	\$222,599,002

* Totals for annual averages may not match exactly due to rounding discrepancies