

Table 3-14 Step 2 - Allocate Personnel Costs to Major Program Elements

	Total	Collection System	Treatment Plants	Surcharge Program	Non-Res. Customers	All Customers
Wastewater Utility						
Design		96.0%	4.0%			
Planning		98.0%	2.0%			
Construction Management		95.0%	5.0%			
Environmental Compliance Admin		6.8%	37.2%	4.1%	36.5%	15.3% OK
		Allocated on all above				
Design	6,699,998	6,431,998	268,000			
Planning	2,140,776	2,097,960	42,816			
Construction Management	3,755,244	3,567,482	187,762			
Admin	168,431	161,764	6,667			
Subtotal	12,764,449	12,259,204	505,244			
Environmental Compliance	3,725,321	255,159	1,386,364	153,095	1,360,848	569,855
EC Admin	49,814	3,412	18,538	2,047	18,197	7,620
Subtotal	3,775,136	258,571	1,404,902	155,143	1,379,045	577,475
Total	16,539,584	12,517,775	1,910,147	155,143	1,379,045	577,475

Table 3-14 Step 3 - Allocate Personnel Costs to Functional Cost Components

	Total	Volume	Capacity	TSS	BOD	All Customers	Non-Res Customers
Collection System			100.0%				
Treatment Plants (Plant Investment)		20.7%	63.8%	4.7%	10.9%		
Env. Compliance Program	100.0%	20.8%	6.8%	10.3%	10.3%	15.3%	36.5%
		Above percentages are from the EC worksheet					
Collection System	12,259,204		12,259,204				
Treatment Plants	505,244	104,586	322,346	23,746	55,072		
Env. Compliance Program	3,775,136	784,332	258,571	387,856	387,856	577,475	1,379,045
Total	16,539,584	888,917	12,840,121	411,603	442,928	577,475	1,379,045
Percentage for Table 3-14	100.0%	5.4%	77.6%	2.5%	2.7%	3.5%	8.3%
2007 Allocation	100.0%	5.7%	43.3%	0.5%	0.5%	0.0%	50.0%

Table 3-14 Step 4 - Allocate All Other Costs to Major Program Elements

	Total	Collection System	Treatment Plants	Surcharge Program	Non-Res. Customers	All Customers
Wastewater Utility						
Design		96.0%	4.0%			
Planning		98.0%	2.0%			
Construction Management		95.0%	5.0%			
Environmental Compliance Admin		6.8%	37.2%	4.1%	36.5%	15.3% OK
		Allocated on all above				
Design	939,720	902,131	37,589			
Planning	195,182	191,278	3,904			
Construction Management	1,128,345	1,071,928	56,417			
Admin	21,689	20,751	938			
Subtotal	2,284,936	2,186,088	98,848			
Environmental Compliance	521,259	35,703	193,985	21,422	190,414	79,736
EC Admin	6,415	439	2,387	264	2,343	981
Subtotal	527,674	36,142	196,372	21,685	192,758	80,717
Total	2,812,610	2,222,230	295,220	21,685	192,758	80,717

Table 3-14 Step 5 - Allocate All Other Costs to Functional Cost Components

	Total	Volume	Capacity	TSS	BOD	All Customers	Non-Res Customers
Collection System			100.0%				
Treatment Plants (Plant Investment)		20.7%	63.8%	4.7%	10.9%		
Env. Compliance Program	100.0%	20.8%	6.8%	10.3%	10.3%	15.3%	36.5%
Collection System	2,186,088		2,186,088				
Treatment Plants	98,848	20,462	63,065	4,646	10,774		
Env. Compliance Program	527,674	109,631	36,142	54,213	54,213	80,717	192,758
Total	2,812,610	130,092	2,285,295	58,859	64,988	80,717	192,758
Percentage for Table 3-14	100.0%	4.6%	81.3%	2.1%	2.3%	2.9%	6.9%
2007 Allocation	100.0%	5.5%	78.1%	0.5%	0.5%	0.0%	15.4%

Environmental Compliance Division

Program / Activity	FTEs	Labor Cost (100) \$	All Other (200 - 400) \$	Total \$	Stormwater %	Wastewater %	Wastewater Functional Cost Component									
							Volume	Capacity	TSS	BOD	All Customers	NR Customers				
49.0		4,167,597	583,144	4,750,741												
Pretreatment Inspections	9.0	765,477	107,108	872,585												
Lab	3.0	255,159	35,703	290,862												
Field	2.0	170,106	23,802	193,908												
Subtotal	14.0	1,190,742	166,613	1,357,355	100%										1,357,355	
Hauled Waste	2.0	170,106	23,802	193,908												
Lab	1.0	85,053	11,901	96,954												
Subtotal	3.0	255,159	35,703	290,862	100%											
Ind. Discharge Permits	2.0	170,106	23,802	193,908	100%										193,908	
Surcharge Program	1.0	85,053	11,901	96,954												
Lab	0.5	42,527	5,950	48,477												
Field	0.3	25,516	3,570	29,086												
Subtotal	1.8	153,095	21,422	174,517	100%										87,259	
By-Pass Investigations	3.0	255,159	35,703	290,862	100%										290,862	
Return Factor	1.0	85,053	11,901	96,954	100%										96,954	
Stream Monitoring	1.0	85,053	11,901	96,954												
Lab	2.0	170,106	23,802	193,908												
Field	1.0	85,053	11,901	96,954												
Subtotal	4.0	340,212	47,604	387,816	100%										48,477	
Regulatory Affairs	6.0	510,318	71,405	581,723	100%										581,723	
Storm Water	4.5	382,739	53,554	436,293												
Lab	0.5	42,527	5,950	48,477												
Field	0.2	17,011	2,380	19,391												
Subtotal	5.2	442,276	61,885	504,160	100%											
Stormwater includes all stormwater related costs.																
NPDES	1.0	85,053	11,901	96,954												
Lab	7.0	595,371	83,306	678,677												
Field	1.0	85,053	11,901	96,954												
Subtotal	9.0	765,477	107,108	872,585	100%											
Total	49	4,167,597	583,144	4,750,741	504,160	4,246,581	882,280	290,862	436,293	436,293	436,293	203,603	203,603	67,868	649,591	1,551,262
SW/WW Split					10.6%	89.4%										
WW Allocation					100.0%	100.0%	20.8%	6.8%	10.3%	10.3%	10.3%	10.3%	10.3%	15.3%	36.5%	
lab	14.0															
field	4.5															

**DEC Compliance Charge
December 2010**

	Non-Residential Tier 1	Industrial charge based on number of sample points					TOTAL
		Tier 2	Tier 3	Tier 4	Tier 5	3 or more sample points	
Number of sample points		0	1	2	3		
2010 Number of Accounts Percentage Distribution	23,665 94.04%	440 1.75%	680 2.70%	230 0.91%	150 0.60%	25,165	Used to establish equivalent bills
Inspection Cost	2.75	1.47	2.27	0.77	0.50	7.75	
FTEs		55,000	55,000	55,000	55,000		
Salary		\$80,667	\$124,667	\$42,167	\$27,500	\$426,250	
Subtotal							
Industrial Cost Recovery	2.00	0.29	0.45	0.15	0.10	3.00	
FTEs		60,000	60,000	60,000	60,000		
Salary		\$17,600	\$27,200	\$9,200	\$6,000	\$180,000	
Subtotal							
Sample Cost			0.86	0.58	0.57	2.00	
FTEs			45,000	45,000	45,000		
Salary			\$38,491	\$26,038	\$25,472	\$90,000	
Subtotal							
Analytical Cost			1.71	1.16	1.13	4.00	
FTEs			55,000	55,000	55,000		
Salary			\$94,088	\$63,648	\$62,264	\$220,000	
Subtotal							
Total DEC Salary Cost	\$271,250	\$98,267	\$284,445	\$141,052	\$121,236	\$916,250	
Benefits (26%)	\$70,525	\$25,549	\$73,956	\$36,674	\$31,521	\$238,225	
Basic Materials (20%)	\$54,250	\$19,653	\$56,889	\$28,210	\$24,247	\$183,250	
Additional Materials (20%)	\$0	\$0	\$56,889	\$28,210	\$24,247	\$109,347	
Total Direct DEC Cost	\$396,025	\$143,469	\$472,179	\$234,147	\$201,252	\$1,447,072	
Monthly Charge Cost Ratios	\$1.39 1.000	\$27.17 19.485	\$57.87 41.494	\$84.84 60.834	\$111.81 80.174	<< Cost multipliers of an equivalent customer	Net per Model for FY 2013
Total Direct & Indirect Adj. Monthly Charge	\$514,834 1.81	\$186,511 35.32	\$613,835 75.22	\$304,392 110.29	\$261,628 145.35	1.3	1,881,200

Note: A more equitable way to assess the compliance charge for industries would be to use \$27.17 plus \$23.00/sample point as the monthly charge.

Table 3-16a
Non-Residential Equivalent Bills

Rate Block	(1) 2010 Allocated Cost \$	(2) 2010 Customers	(3) Percentage Distribution of Customers	(4) Monthly Unit Cost \$/Customer	(5) Cost Ratio	(6) Equivalent Bills
Tier 1	514,800	23,665	94.04%	1.81	1.000	284,000
Tier 2	186,500	440	1.75%	35.32	19.485	102,900
Tier 3	613,800	680	2.70%	75.22	41.494	338,600
Tier 4	304,400	230	0.91%	110.29	60.839	167,900
Tier 5	261,600	150	0.60%	145.33	80.170	144,300
Total	1,881,100	25,165	100.00%			1,037,700