



# Monterey Regional Water Pollution Control Agency



## Miscellaneous Fees & Service Charges

*Draft 05/05/17*



**BARTLE WELLS ASSOCIATES**  
INDEPENDENT PUBLIC FINANCE ADVISORS







































































**Other Regulated Industrial Discharger  
Per Each Permit**

**Table 7  
Source Control Permit & Inspection Fee ORIU**

Staff Position	Activity Description/ Service Provided	Hours	Hourly Rate	Subtotal	Overhead Allocation	Total
Source Control Inspector II	Monitoring	1.25	100.66	125.83	16.9%	147.09
Source Control Inspector II	Inspections	3.50	100.66	352.31	16.9%	411.85
Source Control Inspector II	Admin	5.50	100.66	553.63	16.9%	647.19
Source Control Supervisor		3.25	120.63	392.05	16.9%	458.30
Senior Customer Service Rep	Billing and Receipting	1.25	82.27	102.84	16.9%	120.22
<b>Total</b>						<b>1,784.65</b>

Materials/Vehicles/Other	Description	Miles	Cost or Rate	Total	Notes
Vehicle	12.3 miles each way	148	0.55	\$ 81.40	6 round trips = 148 miles total

Staffing Cost Recovery	1,784.65
Vehicles/Mileage	81.40
<b>Total Cost per Permit</b>	<b>1,866.05</b>
Number of Permits	1
<b>Cost per Permit</b>	<b>1,866.05</b>

**Categorical Industrial Discharger  
Per Each Permit**

**Table 8  
Source Control Permit & Inspection Fee CIU**

Staff Position	Activity Description/ Service Provided	Hours	Hourly Rate	Subtotal	Overhead Allocation	Total
Source Control Inspector II	Monitoring	14.00	100.66	1,409.24	16.9%	1,647.40
Source Control Inspector II	Inspections	5.00	100.66	503.30	16.9%	588.36
Source Control Inspector II	Admin	8.50	100.66	855.61	16.9%	1,000.21
Source Control Supervisor		4.25	120.63	512.68	16.9%	599.32
Senior Customer Service Rep	Billing and Receipting	1.25	82.27	102.84	16.9%	120.22
<b>Total</b>						<b>3,955.50</b>

Materials/Vehicles/Other	Description	Hours (if applicable)	Cost or Rate	Total	Notes
Vehicle	14 miles each way	308	0.55	169.40	11 round trips = 308 miles total

Staffing Cost Recovery	\$3,955.50
Vehicles/Mileage	<u>169.40</u>
Total Cost	4,124.90
Number of Permits	1
Cost per Permit	4,124.90

**Significant Non-Categorical Industrial Discharger  
Per Each Permit**

**Table 9  
Source Control Permit & Inspection Fee SIU**

Staff Position	Activity Description/ Service Provided	Hours	Hourly Rate	Subtotal	Overhead Allocation	Total
Source Control Inspector II	Monitoring	14.00	100.66	1,409.24	16.9%	1,647.40
Source Control Inspector II	Inspections	5.00	100.66	503.30	16.9%	588.36
Source Control Inspector II	Admin	8.50	100.66	855.61	16.9%	1,000.21
Source Control Supervisor		4.25	120.63	512.68	16.9%	599.32
Senior Customer Service Rep	Billing and Receipting	1.25	82.27	102.84	16.9%	120.22
<b>Total</b>						<b>3,955.50</b>

Materials/Vehicles/Other	Description	Hours (if applicable)	Cost or Rate	Total	Notes
Vehicle	14 miles each way	308	0.55	169.40	11 round trips = 308 miles total

Staffing Cost Recovery		3,955.50
Vehicles/Mileage		<u>169.40</u>
Total Cost		4,124.90
Number of Permits	Cost per Permit	1
Cost per Permit		4,124.90

**Table 10**  
**Liquid Waste/Septage Fee**

Staff Position	Job Tasks	Daily Hours	Times per Week	Weekly Hours	Hours per Month	Hourly Rate	Monthly Subtotal	Overhead	Total
Operator I/II	Wash down area	0.5	5	2.5	10.00	72.48	724.75	16.9%	847.23
Operator I/II	Empty tank troughs	0.5	5	2.5	10.00	72.48	724.75	16.9%	847.23
Operator I/II	Clean building (floors etc.)	0.5	5	2.5	10.00	72.48	724.75	16.9%	847.23
Operator I/II	Check & prepare tank for pumping - tanks #2 & #3 twice/day	1.00	5	5.0	20.00	72.48	1,449.50	16.9%	1,694.47
Operator I/II	Complete area checklist	0.25	5	1.3	5.00	72.48	362.38	16.9%	423.62
Operator I/II	Unscheduled work (unplug pumps, small repairs, etc.)	0.75	5	3.8	15.00	72.48	1,087.13	16.9%	1,270.85
Operator I/II	Receive trucks	0.5	5	2.5	10.00	72.48	724.75	16.9%	847.23
Operator I/II	Conduct respirometer test	0.5	5	2.5	10.00	72.48	724.75	16.9%	847.23
Operator I/II	Complete log book & paperwork (LIMS data entry)	1.00	5	5.0	20.00	72.48	1,449.50	16.9%	1,694.47
Operator I/II	Wash down tank #1 Area (degrease)		1	0.5	2.00	72.48	144.95	16.9%	169.45
Operator I/II	Wash down headworks / L.W. areas	0.5	5	2.5	10.00	72.48	724.75	16.9%	847.23
Operator I/II	Dump rag bins (see Rags & Marginal Dirt Cost tab)		2	1.0	4.00	72.48	289.90	16.9%	338.89
Admin Support Specialist I	Billing, Customer Service, and Administrative			6.80	27.20	53.55	1,456.29	Excluded	1,456.29
SUBTOTAL MONTHLY LABOR COST									
ANNUAL SUBTOTAL									
Facility Cost Recovery									
SUBTOTAL ANNUAL COST FOR FEE RECOVERY									
Units for Cost Recovery									
Base Cost per Unit									
Plus Rags & Dirt Cost Recovery									
Plus Wastewater Treatment Rate									
<b>Total Rate per Unit</b>									
								<b>\$/gallon</b>	<b>0.085</b>

**Table 11  
Grease Fee**

Position & Job Tasks	Times per Week	Weekly Hours	Monthly Hours	Hourly Rate	Monthly Subtotal	Overhead	Total
Operator Pump grease to digesters - valve changes and flushing line	2	2.0	8.00	68.36	546.88	16.9%	639.30
Admin I Billing, Customer Service, and Administrative			4.70	53.55	251.66	Excluded	251.66
Sr Cust Svc Rep. Billing, Customer Service and Administrative			1.00	82.27	82.27	16.9%	96.17
MONTHLY LABOR COST							987.14
ANNUAL LABOR COST						x 12	11,845.65
Sludge Disposal Dumping Fees, 4% x \$454,000							18,160.00
Polymers/Chemicals-RTP, 4% x \$405,000							8,100.00
Facility Cost Recovery							73,487.23
SUBTOTAL ANNUAL COST FOR FEE RECOVERY							111,592.89
Units for Cost Recovery (3-Year Average)						gallons	1,187,728
Base Cost per Unit						\$/gallon	0.094
Plus Rags & Dirt Cost Recovery						\$/gallon	0.008
Plus Wastewater Treatment Rate (liquids put back to headworks)						\$/gallon	0.009
<b>Total Rate per Unit</b>						<b>\$/gallon</b>	<b>0.111</b>

**Table 12  
Biocell Fee**

Positions & Job Tasks	Daily Hours	Times per Week	Weekly Hours	Monthly Hours	Hourly Rate	Monthly Subtotal	Overhead	Total
Screen and investigate source of biocell load:								
Source Control Supervisor			1.00	4.00	120.63	482.52	16.9%	564.07
Source Control Inspector			0.50	2.00	100.66	201.32	16.9%	235.34
Operations Supervisor			0.00	0.00	123.19	-	16.9%	-
Operations Manager			0.00	0.00	136.26	-	16.9%	-
Meet and confer, potential for site visit:								
Source Control Supervisor			0.25	1.00	120.63	120.63	16.9%	141.02
Source Control Inspector			0.25	1.00	100.66	100.66	16.9%	117.67
Operations Supervisor			0.25	1.00	123.19	123.19	16.9%	144.01
Operations Manager			0.25	1.00	136.26	136.26	16.9%	159.29
Operator Use loader to clean-up and move debris into piles		1	3.00	12.00	68.36	820.32	16.9%	958.95
Admin I Billing, Customer Service, and Administrative				3.70	53.55	198.12	Excluded	198.12
Operator removes debris from and clears drain	0.25	7	1.75	7.00	98.68	690.79	16.9%	807.54
Sr Cust Svc Rep, Cust Sve/Admin/Billing				1.00	82.27	82.27	16.9%	96.17
MONTHLY LABOR COST								3,422.17
ANNUAL LABOR COST							x 12	41,066.09
Biocell Solids Disposal Fee								22,950.00
Facility Cost Recovery								12,556.42
SUBTOTAL ANNUAL COST FOR FEE RECOVERY								76,572.51
Units for Cost Recovery (3-Year Average)							gallons	1,250,065
Cost per Unit							\$/gallon	0.061
Plus Rags & Dirt Cost Recovery							\$/gallon	0.008
<b>Total Rate per Unit</b>							<b>\$/gallon</b>	<b>0.069</b>

**Table 13  
Special Loads**

Job Tasks	Weekly Hours	Monthly Hours	Hourly Rate	Monthly Subtotal	Overhead	Total
Screen and investigate source of special load:						
Source Control Supervisor	2.00	8.00	120.63	965.04	16.9%	1,128.13
Source Control Inspector	2.00	8.00	100.66	805.28	16.9%	941.37
Operations Supervisor	0.00	0.00	123.19	-	16.9%	-
Operations Manager	0.00	0.00	136.26	-	16.9%	-
Meet and confer; request analysis; potential for site visit:						
Source Control Supervisor	0.50	2.00	120.63	241.26	16.9%	282.03
Source Control Inspector	0.50	2.00	100.66	201.32	16.9%	235.34
Operations Supervisor	0.50	2.00	123.19	246.38	16.9%	288.02
Operations Manager	0.50	2.00	136.26	272.52	16.9%	318.58
Operator I		0.50	72.48	36.24	16.9%	42.36
Admin I - Billing, Customer Service, and Administrative		4.20	53.55	224.89	Excluded	224.89
Senior Cust Svc Rep - Customer Service and Administrative		0.25	82.27	20.57	16.9%	24.04
MONTHLY LABOR COST						3,484.77
ANNUAL LABOR COST					x 12	41,817.22
Facility Cost Recovery						6,291.93
Solids Hauling & Disposal					Est.	10,000.00
SUBTOTAL ANNUAL COST FOR FEE RECOVERY						58,109.15
Units for Cost Recovery (Based on 1 year of data)					gallons	1,212,013
<b>Total Rate per Unit</b>					\$/gallon	<b>0.048</b>

**Table 14  
Brine Loads**

Positions & Job Tasks	Daily Hours	Times per Week	Weekly Hours	Monthly Hours	Hourly Rate	Monthly Subtotal	Overhead	Total
Screen and investigate source of brine load:								
Source Control Supervisor			1.00	4.00	120.63	482.52	16.9%	564.07
Source Control Inspector			1.00	4.00	100.66	402.64	16.9%	470.69
Operations Supervisor			0.00	0.00	123.19	-	16.9%	-
Operations Manager			0.00	0.00	136.26	-	16.9%	-
Meet and confer, potential for site visit, request/review analysis:						-		-
Source Control Supervisor			0.50	2.00	120.63	241.26	16.9%	282.03
Source Control Inspector			0.50	2.00	100.66	201.32	16.9%	235.34
Operations Supervisor			0.50	2.00	123.19	246.38	16.9%	288.02
Operations Manager			0.50	2.00	136.26	272.52	16.9%	318.58
Operator completes LIMS data entry & verifys data for monthly report		1	1.00	4.00	68.36	273.44	16.9%	319.65
Admin I - Billing, Customer Service, and Administrative				14.00	53.55	749.63	Excluded	749.63
Operator verifies brine parameters are met prior to discharge	0.25	6	1.50	6.00	98.68	592.11	16.9%	692.17
Sr Cust Svc Rep - Billing, Customer Service, and Administrative				0.25	82.27	20.57	16.9%	24.04
MONTHLY LABOR COST								3,944.22
ANNUAL LABOR COST							x 12	47,330.64
Brine Solids Disposal Cost							Est.	10,000.00
Facility Cost Recovery								29,438.75
SUBTOTAL ANNUAL COST FOR FEE RECOVERY								86,769.40
Units for Cost Recovery (3-Year Average)							gallons	3,249,874
Base Cost per Unit							\$/gallon	0.027
Plus Rags & Dirt Cost Recovery							\$/gallon	0.008
<b>Total Rate per Unit</b>							<b>\$/gallon</b>	<b>0.034</b>



**Table 15**  
**Cost Allocation for Rags & Dirt**

Year	Rags	Dirt	Total
<b>Rags &amp; Dirt Loadings (tons)</b>			
2012	90.2	875.8	
2013	139.9	787.4	
2014	57.1		
2015	98.1		
2016	91.7	838.5	
5-Year Average	95.4	833.9	
<b>Costs</b>			
Unit Cost	\$56.00	\$16.25	
Total Cost	\$5,342.40	\$13,550.88	\$18,893.28
<b>Discharge Volume (gallons)</b>			
Biocell	1,250,065	1,250,065	1,250,065
Grease	1,187,728	1,187,728	1,187,728
Chemical Toilet/Septic	10,584,840	10,584,840	10,584,840
Subtotal	2,437,793	2,437,793	2,437,793
<b>Cost per Gallon</b>			
	<b>\$0.002</b>	<b>\$0.006</b>	<b>\$0.008</b>

**Table 16**  
**Historical Liquid Waste Totals (Gallons)**

	2013	2014	2015	2016	3-Yr Avg
CHEM TOILET/SEPTIC	9,187,680	9,835,315	10,097,936	11,821,270	10,584,840
GREASE	1,076,176	1,173,697	1,049,100	1,340,387	1,187,728
BIO/DILUTED OILY WASTE	1,215,085	1,470,517	1,220,065	1,059,614	1,250,065
SPECIAL	n/a	n/a	n/a	1,196,979	
Plus Cal Am Brine	n/a	n/a	<u>4,907</u>	<u>15,034</u>	
Total			4,907	1,212,013	1,212,013
BRINE	3,555,858	2,510,507	3,178,787	4,080,269	3,256,521
Less Cal Am Brine	<u>0</u>	<u>0</u>	<u>(4,907)</u>	<u>(15,034)</u>	
Total	3,555,858	2,510,507	3,173,880	4,065,235	3,249,874

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**Table 17**  
**Discharger Permits**

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<b>Industrial Discharge Permits</b>	<u>Class A</u>	<u>Class C</u>	<u>Total</u>
2014/15	18	0	18
2015/16	16	1	17
2016/17	17	0	17

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**Liquid Waste Permits**

2014/15	45
2015/16	42
2016/17	41

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**Table 18**  
**Annual Liens**

Fiscal Year	Number of Liens
2011	2,564
2012	2,380
2013	2,192
2014	2,205
2015	2,754
2016	2,152
5-Year Average	2,337

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**Table 19**  
**Member Agency & County Sewer Billings**

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**Member Agency Billings**

***Bi-Monthly***

<u>Location</u>	<u>Accounts</u>
Monterey	9,957
Pacific Grove	6,190
Del Rey Oaks	761
Seaside	6,634
Sand City	307
Moss Landing	243
City of Salinas A	14,433
City of Salinas B	17,165
Total Bi-Monthly Billings	55,690
x Bi-Monthly Periods	6
Annual Billings	334,140

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**Monterey County Billings**

***Monthly***

<u>Location</u>	<u>Customers</u>
Chualar	172
Pajaro	291
Los Lomas	506
Sunny Mesa	94
Bay Farms	112
Total Billings	1,175
x Monthly Periods	12
Annual Billings	14,100

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